

# LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

## Permit to Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

CAPITAL SAND COMPANY, INC.

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements in the application, a permit is hereby granted to engage in surface mining of sand & gravel in the state of Missouri. The extent of the proposed mining operation(s) will be on 32 acres, more or less. The locations of the operation(s) under this permit is/are as follows: Renewal

See Attached List

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 26th day of May 2004

  
DIRECTOR OF STAFF  
Land Reclamation Commission

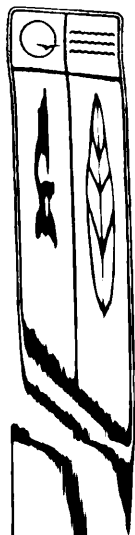
Permit No. 0248  
Effective Date 05/26/2004  
Expiration Date 04/20/2005



**Expiration Date – 04/20/2005**

[illegible]





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION

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PERMIT RENEWAL FOR INDIAN



PO BOX 176

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PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

LAND RECLAMATION COMMISSION

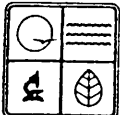


NAME OF CORPORATION COMPANY PARTNERSHIP OR INDIVIDUAL

ADDRESS







MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

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P.O. BOX 176  
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL <b>Capital Sand Company, Inc.</b>		MISSOURI LAND RECLAMATION COMMISSION		DATE <b>3-26-04</b>
ADDRESS <b>P.O. Box 104990</b>		CITY <b>Jefferson City</b>	STATE <b>MO</b>	ZIP CODE <b>65110</b>
CONTACT PERSON <b>Ray Bohlken</b>			TELEPHONE NUMBER <b>573-634-3020</b>	

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. <b>Capital Sand #4</b>	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ <b>300</b>
2. <b>Scheperle #1</b>	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ <b>150</b>
3. <b>Scheperle #2</b>	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ <b>150</b>
4. <b>Le Page</b>	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ <b>150</b>
5. <b>Gerloff #1</b>	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ <b>150</b>
6. <b>Snodgrass #1</b>	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ <b>300</b>
7. <b>Little Spring Creek</b>	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ <b>150</b>
8. <b>Eldringhoff #1</b>	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ <b>150</b>
9. <b>Beam #1</b>	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ <b>150</b>
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$

TOTAL SITE FEE \$ **1,650**

2. Acreage Fee \$5 X **2** number of acres bonded \$ **10**

3. Annual Permit Fee \$ **500**

4. Total Fee (Add totals from 1, 2 and 3) \$ **2,160**

NOTE: If Total Fee exceeds \$2,500.00 then pay only \$ **2,500**

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee \$ **300**

SIGNATURE OF APPLICANT <b>Jaxon P. Branstetter</b>		TITLE <b>Production Mgr.</b>	DATE <b>3-26-04</b>
Appeared before me this <b>26<sup>th</sup></b> day of <b>March</b> , 20 <b>04</b> . <b>Jaxon P. Branstetter</b> to me personally known, who executed the above as their free acts and deeds.			
NOTARY PUBLIC EMBOSSEER SEAL	STATE OF <b>Missouri</b>		COUNTY (OR CITY OF ST. LOUIS) <b>Callaway</b>
	SUBSCRIBED AND SWORN BEFORE ME, THIS <b>26<sup>th</sup></b> DAY OF <b>March</b> YEAR <b>2004</b>		USE RUBBER STAMP IN CLEAR AREA BELOW.
	NOTARY PUBLIC SIGNATURE <b>Joyce E Schokker</b>	MY COMMISSION EXPIRES <b>8-28-04</b>	JOYCE E SCHOKKER Notary Public - Notary Seal STATE OF MISSOURI CALLAWAY COUNTY MY COMMISSION EXP. AUG. 28, 2004

FOR DEPARTMENT USE ONLY: APPROVED BY <b>Larry Perkins</b>	DATE APPROVED <b>04/01/04</b>	PERMIT NUMBER <b>0248</b>	EXPIRATION DATE <b>04/20/2005</b>
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MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
SITE INFORMATION FORM

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MISSOURI LAND  
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To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER <i>Beam #1</i>		PERMIT NUMBER <i>0248</i>	
COMPANY NAME <i>Capital Sand Company, Inc</i>			
COUNTY <i>Phelps</i>	1/4 SECTION <i>NE</i>	SECTION <i>23</i>	
TOWNSHIP <i>37 N</i>	RANGE <i>10 W</i>	ACRES <i>5</i>	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <i>Gasconade River</i>			
MINERAL COMMODITY <i>S &amp; G</i>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <i>20,000</i>	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <i>ROGER BEAM</i>		
ADDRESS <i>22325 PR DRIVE 9002</i>		
CITY <i>JEROME</i>	STATE <i>MO</i>	ZIP CODE <i>65529</i>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input type="checkbox"/> LEASE <input checked="" type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT <i>12-12-03</i>

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <i>SAME AS ABOVE</i>		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT

**NOTE:** Each site must be shown on a map and be included in a public notice and an approved mine plan.





MISSOURI DEPARTMENT OF NATURAL RESOURCES

LAND RECLAMATION COMMISSION

STREAM PROTECTION PLAN - 10 CSR 40-10.020(2)(D)4.

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MISSOURI LAND RECLAMATION COMMISSION JEFFERSON CITY, MO 65102-0176 P.O. BOX 176

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: 2010

COMPANY NAME Capital Sand Co.

DESCRIPTION OF STREAM CONDITION PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING BANK CONDITION, BANK VEGETATION AND WATER QUALITY.

This plan applies to an approximate 1,300 feet reach of the Gasconade River. The river makes a gradual bend to the left as it goes downstream. One large gravel bar has formed on the inside of the river bend, with a finger that extends off of the lower part of the gravel bar. This gravel bar is forcing the active channel to side cut westward into pasture land. The west, southwest side of the river starts as pasture land and then changes to bluff. The east, northeast side of the river starts as a bluff and then changes to bottom ground which has houses downstream of the gravel bar. See detail map for approximate dimensions of the gravel bar.

DESCRIBE METHODS USED TO RESTRICT DAMAGE TO STREAM BANKS OR STREAM BANK VEGETATION.

Access to the gravel bar will be limited to the extent that is operationally feasible. One point of entry should be able to be maintained on the east side of the bar. Work will not result in an increase in the flow of water against stream banks. Excavations will not encroach upon stream banks. Wherever possible, a 10 feet buffer will be maintained.

DESCRIBE METHODS USED TO MINIMIZE IMPACTS ON THE STREAM ENVIRONMENTS, CONFINING ACTIVE MINING OPERATIONS TO THE GRAVEL BARS RATHER THAN FLOWING WATER AND RESTRICTING HAUL ROADS THROUGH FLOWING WATER

The depth of the excavation will be limited such that it remains at or above the normal flow line of the creek. The operation will also be confined to bars. A buffer will be (10') <sup>244</sup> maintained between the excavation area and the active channel. Equipment corridors will remain on gravel bars and will cross the channel only where absolutely necessary. <sub>93</sub>



DEC 23 2003


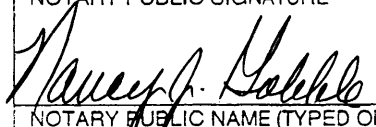
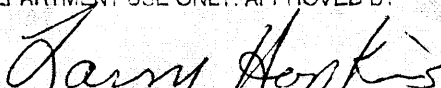
DESCRIBE METHODS USED TO PROTECT WATER QUALITY, SUCH AS INSTALLING EROSION CONTROL DEVICES OR OTHER INFORMATION

MISSOURI LAND  
RECLAMATION COMMISSION

Water quality will be protected to the extent practicable. Appropriate buffers will be maintained. Removal operations will be conducted during periods of relatively low flow conditions. Equipment will only be kept "in-stream" during operation.

By my signature, I attest to the following:

- 1) All statements made in this Stream Protection Plan form are correct, complete and true to the best of my knowledge.
- 2) I or the company I am authorized to represent intend(s) to protect the stream environment and remove sand and gravel in accordance with this plan, and in accordance with *The Land Reclamation Act* Sections 444.760 through 444.790, RSMo (Supp. 2001), and all rules, regulations, orders, decisions, and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operation.
- 3) I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no right to grant such access, I have attached signed affidavits from the landowners granting such access.

SIGNATURE OF APPLICANT 		TITLE <i>Production Mgr</i>	DATE <i>12-15-03</i>
NOTARY PUBLIC EMBOSSEER SEAL	STATE <i>Missouri</i>		COUNTY (OR CITY OF ST. LOUIS) <i>Cole</i>
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>15th</i> DAY OF <i>December</i> 20 <i>03</i>		USE RUBBER STAMP IN CLEAR AREA BELOW <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">NANCY J. GOBBLE NOTARY PUBLIC - NOTARY SEAL STATE OF MISSOURI COUNTY OF COLE My Commission Expires: February 10, 2004</div>
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES <i>2-10-04</i>	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>NANCY J. Gobble</i>		
FOR DEPARTMENT USE ONLY: APPROVED BY 		DATE APPROVED <i>02/02/04</i>	PERMIT NUMBER <i>0248</i>



DEC 23 2003

Attach the following documents to the Stream Protection Plan form:

**I. LOCATOR MAP - two copies required.**

MISSOURI LAND  
RECLAMATION COMMISSION

The map must be of sufficient scale to locate and distinguish the permit boundary from other mine sites in the area. Please mark the access route from the nearest public road to the site so that our inspector can visit the mine. The locator map may be prepared on an original or clearly copied Missouri Highway Department County map, United States Geological Survey (USGS) 7- minute topographic map (map scale 1" = 2,000'), county assessor map **or an up-to-date county ownership plat**. In general, operators submit an up-to-date county ownership plat map to satisfy adjacent property owner notification letter requirements.

**The locator map must show the following:**

1. The permit area in relation to state or county roads and towns or cities in the general area.
2. North arrow, and map scale.
3. Company name, county, mine or site name, legal description (section, township, range), date of map preparation, and preparer's name.

**II. DETAIL MAP - two copies required.**

The Detail Map must be at a scale of one inch to six hundred sixty feet (1" = 660') or larger (for example, 1" = 400', 1" = 200'). An original or clearly copied, up-to-date Agricultural Stabilization Conservation Service (ASCS) aerial photo (1" = 660') may be used as a base map.

**The Detail Map must show the following:**

1. The permit boundary. When submitting a long-term Stream Protection Plan, the boundary of the long-term Stream Protection Plan area must be identified on the detail map. The acreage associated with each boundary must be illustrated on the detail map.
2. Property lines and names of landowners, owners of surface and subsurface rights within the Stream Protection Plan area and names of all owners of adjacent properties.
3. Approximate positions of public roads located in or within one hundred feet (100') of the permit area.
4. The location of terraces, waterways, and diversions within the Stream Protection Plan area.
5. The location of acreage within the Stream Protection Plan boundary
6. Company name, permit number, county, site name or number, legal description (section, township, and range), date of map preparation, preparer's name, north arrow, and map scale.
7. Creeks or streams in or within one hundred feet (100') of the permit area.
8. Areas within the permit boundary mined prior to August 28, 1990.
9. Locations of abandoned underground or surface mines in, or adjacent to, the permit area.
10. Locations of acid- or toxic-forming materials.
11. Positions of erosion and sediment control devices or structures
12. Location of any structures (buildings, etc.) and natural or cultural features that require protection.





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
SITE INFORMATION FORM

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MISSOURI LAND  
RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER <i>Snodgrass #1</i>		PERMIT NUMBER <i>0248</i>	
COMPANY NAME <i>Capital Sand Company, Inc.</i>			
COUNTY <i>Maries</i>	1/4 SECTION <i>SW</i>	SECTION <i>16</i>	
TOWNSHIP <i>39 N</i>	RANGE <i>08 W</i>	ACRES <i>7</i>	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <i>Spring Creek</i>			
MINERAL COMMODITY <i>S &amp; G</i>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <i>&gt; 5,000</i>	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <i>Emaline Snodgrass</i>		
ADDRESS <i>15857 Maries County Road 523</i>		
CITY <i>Vichy</i>	STATE <i>MO</i>	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input type="checkbox"/> LEASE <input checked="" type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <i>As Above</i>		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT

**NOTE:** Each site must be shown on a map and be included in a public notice and an approved mine plan.





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
SITE INFORMATION FORM

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MISSOURI LAND  
RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER

Snodgrass #1

PERMIT NUMBER

0248

COMPANY NAME

Capital Sand Company, Inc.

COUNTY

Maries

1/4 SECTION

SW

SECTION

16 / 17

TOWNSHIP

39 N

RANGE

08 W

ACRES

1

RIVER OR STREAM NAME (FOR IN-STREAM ACRES)

Spring Creek

MINERAL COMMODITY

S & G

ESTIMATED TONS/YEAR (FOR GRAVEL SITES)

> 5,000

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE)

Gerald Davis

ADDRESS

17063

MARIES 819

VicHy

Mo.

CITY

VicHy

STATE

Mo.

ZIP CODE

65580

SOURCE OF RIGHT TO MINE (CHECK ONE):

☐ MINERAL DEED

☐ LEASE

☐ WARRANTY DEED

☒ VERBAL AGREEMENT

☐ OTHER (DESCRIBE):

DATE OF AGREEMENT

6-6-03

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE)

As Above

ADDRESS

CITY

STATE

ZIP CODE

SOURCE OF RIGHT TO MINE (CHECK ONE):

☐ MINERAL DEED

☐ LEASE

☐ WARRANTY DEED

☐ VERBAL AGREEMENT

☐ OTHER (DESCRIBE):

DATE OF AGREEMENT

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.





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MISSOURI DEPARTMENT OF NATURAL RESOURCES

LAND RECLAMATION COMMISSION

STREAM PROTECTION PLAN - 10 CSR 40-10.020(2)(D)4.

MISSOURI LAND  
RECLAMATION COMMISSIONP.O. BOX 176  
JEFFERSON CITY, MO 65102-0176

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR☒ LONG TERM, FOR PERIOD THROUGH DATE: 2010

COMPANY NAME Capital Sand Co.

DESCRIPTION OF STREAM CONDITION PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING BANK CONDITION, BANK VEGETATION AND WATER QUALITY.

This plan applies to an approximate 2,000 feet reach of Spring Creek, where it is joined by Mill Creek. There are (2) two gravel bars in this reach. The reach of the creek forms a sharp meander due to the presence of a prominent ridge to the west. A large point bar has formed at the junction of the two creeks and a smaller bar has formed down stream from the large point bar. These bars are forcing the active channel to side cut eastward into pasture land. The west or bluff side of the deposit is wooded. See detail map for approximate dimensions of the gravel bars.

DESCRIBE METHODS USED TO RESTRICT DAMAGE TO STREAM BANKS OR STREAM BANK VEGETATION.

Access to the gravel bars will be limited to the extent that is operationally feasible. One point of entry should be able to be maintained on the up stream side of the large point bar. Work will not result in an increase in the flow of water against stream banks. Excavations will not encroach upon stream banks. Wherever possible, a 10 feet buffer will be maintained.

DESCRIBE METHODS USED TO MINIMIZE IMPACTS ON THE STREAM ENVIRONMENTS, CONFINING ACTIVE MINING OPERATIONS TO THE GRAVEL BARS RATHER THAN FLOWING WATER AND RESTRICTING HAUL ROADS THROUGH FLOWING WATER

The depth of the excavation will be limited such that it remains at or above the normal flow line of the creek. The operation will also be confined to bars. A buffer will be maintained between the excavation area and the active channel. Equipment corridors will remain on gravel bars and will cross the channel only where absolutely necessary.



Water quality will be protected to the extent practicable. Appropriate buffers will be maintained. Removal operations will be conducted during periods of relatively low flow conditions. Equipment will only be kept "in-stream" during operation.

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RECLAMATION COMMISSION

By my signature, I attest to the following:

- 1) All statements made in this Stream Protection Plan form are correct, complete and true to the best of my knowledge.
- 2) I or the company I am authorized to represent intend(s) to protect the stream environment and remove sand and gravel in accordance with this plan, and in accordance with *The Land Reclamation Act* Sections 444.760 through 444.790, RSMo (Supp. 2001), and all rules, regulations, orders, decisions, and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operation.
- 3) I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no right to grant such access, I have attached signed affidavits from the landowners granting such access.

SIGNATURE OF APPLICANT <i>Fay Bohlen</i>		TITLE <i>Gen. Mgr</i>		DATE <i>6-9-03</i>
NOTARY PUBLIC EMBOSSEER SEAL	STATE <i>Missouri</i>		COUNTY (OR CITY OF ST. LOUIS) <i>Cole</i>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>9th</i> DAY OF <i>June</i> 20 <i>03</i>		USE RUBBER STAMP IN CLEAR AREA BELOW <div style="border: 1px solid black; padding: 5px; text-align: center; margin-top: 10px;"> NANCY J. GOBBLE  NOTARY PUBLIC - NOTARY SEAL  STATE OF MISSOURI  COUNTY OF COLE  My Commission Expires: February 10, 2004 </div>	
	NOTARY PUBLIC SIGNATURE <i>Nancy J. Gobble</i>	MY COMMISSION EXPIRES <i>2-10-04</i>		
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>Nancy J. Gobble</i>			
FOR DEPARTMENT USE ONLY: APPROVED BY <i>Fay Bohlen</i>		DATE APPROVED <i>07/18/03</i>		PERMIT NUMBER <i>0248</i>





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION

**SITE INFORMATION FORM**

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**JAN - 7 2002**

To be completed for each separate area of disturbance associated with mining operations.

MISSOURI LAND  
RECLAMATION COMMISSION

SITE NAME OR NUMBER <b>Little Spring Creek</b>		PERMIT NUMBER <b># 0248</b>	
COMPANY NAME <b>Capital Sand Company, Inc.</b>			
COUNTY <b>Maries</b>	1/4 SECTION <b>SW</b>	SECTION <b>01</b>	
TOWNSHIP <b>39N</b>	RANGE <b>09W</b>	ACRES <b>7</b>	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <b>Little Spring Creek</b>			
MINERAL COMMODITY <b>Sand &amp; Gravel</b>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <b>5,000 +</b>	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <b>Charles Henderson</b>		
ADDRESS <b>14361 Hwy. 28 W.</b>		
CITY <b>Vienna</b>	STATE <b>MO</b>	ZIP CODE <b>65582</b>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT <b>5 / 2000</b>
<input checked="" type="checkbox"/> LEASE		<input type="checkbox"/> VERBAL AGREEMENT

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <b>As above</b>		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT
<input type="checkbox"/> LEASE		<input type="checkbox"/> VERBAL AGREEMENT

**NOTE:** Each site must be shown on a map and be included in a public notice and an approved mine plan.



TYPE OF PLAN  
(CHECK ONE):☐ SHORT TERM, FOR ONE PERMIT YEAR☒ LONG TERM, FOR PERIOD THROUGH DATE: 2010

Company Name: Capital Sand Co., Inc.

DESCRIPTION OF STREAM CONDITION PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING BANK CONDITION, BANK VEGETATION AND WATER QUALITY.

-C V-

JAN - 7 2002

The area to be mined is an approximate 0.75-mile reach of Little Spring Creek, there are three (3) gravel bars located in this reach. This is considered one (1) site, as there is easy access between the gravel bars. Point bars have developed where this creek is joined by smaller, unnamed tributaries. See detail map for approximate dimensions. The east side of the creek is bordered mostly by pasture/agricultural operations. The west side is bordered mostly by woodland. Banks are relatively shallow and possess an adequate stand of vegetation. Water quality appears to be good.

MISSOURI LAND RECLAMATION COMMISSION

DESCRIBE METHODS USED TO REDUCE DAMAGE TO STREAM BANKS, SUCH AS PROTECTING BANK VEGETATION, IF APPLICABLE.

Access to the gravel bars will be limited to the extent that is operationally feasible. One point of entry from the stream bank will be identified and maintained for each gravel bar location. Work will not result in an increase in the flow of water against stream banks. Excavations will not encroach upon stream banks. Wherever possible, a 10 foot buffer will be maintained.

DESCRIBE METHODS USED TO REDUCE DAMAGE TO STREAM ENVIRONMENTS, SUCH AS KEEPING ACTIVE MINING OPERATIONS ON GRAVEL BARS, RATHER THAN IN FLOWING WATER, AND KEEPING HAUL ROADS AWAY FROM FLOWING WATER, IF APPLICABLE.

The depth of the excavation will be limited such that it remains at or above the normal flow line of the creek. The operation will also be confined to bars. A buffer will be maintained between the excavation area and the active channel. Equipment corridors will remain on gravel bars and will cross the channel only where absolutely necessary.



Water quality will be protected to the extent practicable. Appropriate buffers will be maintained. Removal operations will be conducted during periods of relatively low-flow conditions. Equipment will only be kept "in-stream" during operation.

REC-

JAN - 7 2002

MISSOURI LAND  
RECLAMATION COMMISSION

By my signature, I attest to the following:

- 1) All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2) I or the company I am authorized to represent intend(s) to mine in accordance with this Plan, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3) I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no right to grant such access, I have attached signed affidavits from the landowners granting such access.

SIGNATURE OF APPLICANT ► <i>Fray Borken</i>	TITLE <i>H M.</i>	DATE <i>1-7-02</i>
------------------------------------------------	----------------------	-----------------------

Appeared before me this 7<sup>th</sup> day of January, 2002.

Fray Borken to me personally known,  
who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSEER SEAL	STATE OF <u>Missouri</u>	COUNTY (OR CITY OF ST. LOUIS)
	SUBSCRIBED AND SWORN BEFORE ME, THIS <u>7<sup>th</sup></u> DAY OF <u>January</u> , 2002	
	NOTARY PUBLIC SIGNATURE <i>Joyce E. Schokker</i>	MY COMMISSION EXPIRES
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>Joyce E. Schokker</i>	USE RUBBER STAMP IN CLEAR AREA BELOW.

JOYCE E. SCHOKKER  
Notary Public - Notary Seal  
STATE OF MISSOURI  
CALLAWAY COUNTY  
MY COMMISSION EXP. AUG. 28, 2004

APPROVED BY (DIRECTOR'S REPRESENTATIVE): ► <i>Larry Apple</i>	TITLE <i>LRSTU</i>	DATE APPROVED <i>02/13/02</i>
------------------------------------------------------------------	-----------------------	----------------------------------



Attach the following documents to the Stream Protection Plan Form:

- A. Two copies of a map such that the mine can be located, and distinguished from other mines in the area.
- B. Two copies of a more detailed map, prepared on an original or clearly copied USGS 7-1/2 minute topographical map, county assessor map, A.S.C.S. aerial photo, up-to-date county plat, or a different base map with a scale of one inch to six hundred sixty feet (1" = 660') or larger.
  1. At minimum, the detailed map must show the following:
    - a. ownership boundaries, and names of owners of surface and subsurface rights to land within and contiguous to the permit area.
    - b. boundaries and acreage of each permitted site, and of the area to be affected over the term of the mine plan.
    - c. creeks or streams within the proposed permit area.
    - d. date of map preparation, preparer's name and title, north arrow, scale, and section, township and range lines.
  2. The following may be required for clarification:
    - a. abandoned surface mines.
    - b. locations of erosion and sediment control devices.
    - c. structures, and natural or cultural features to be protected.

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MISSOURI LAND  
RECLAMATION COMMISSION





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
SITE INFORMATION FORM

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To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER <b>SITE #4</b>		PERMIT NUMBER <b>91-248-AL</b>		MISSOURI LAND RECLAMATION COMMISSION	
COMPANY NAME <b>CAPITAL SAND COMPANY, INC.</b>					
COUNTY <b>CALLAWAY</b>	1/4 SECTION <b>SE 1/4 - NW 1/4</b>		SECTION <b>16</b> <i>Should say 16 not 6</i>		
TOWNSHIP <b>44N</b>	RANGE <b>11 W</b>		ACRES <b>2</b>		
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)					
MINERAL COMMODITY			ESTIMATED TONS/YEAR (FOR GRAVEL SITES)		

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <b>CAPITAL SAND COMPANY, INC.</b>		
ADDRESS <b>P. O. BOX 156</b>		
CITY <b>CEDAR CITY</b>	STATE <b>MO</b>	ZIP CODE <b>65022</b>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT <b>MAY 29, 1975</b>
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <b>SAME AS ABOVE</b>		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



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MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**MINE PLAN**

MISSOURI LAND RECLAMATION COMMISSION  
P.O. BOX 176  
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):  
☐ SHORT TERM, FOR ONE PERMIT YEAR  
☒ LONG TERM, FOR PERIOD THROUGH DATE: MAY 18, 2010 PERMIT #248  
COMPANY NAME CAPITAL SAND COMPANY, INC. # 4

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

THE SITE WAS MISSOURI RIVER BOTTOM LAND WITH SPARSE VEGETATION. THE AREA IS USED AS WATER SUPPLY SOURCE AND A CATCH BASIN FOR THE PLANT AND STOCKPILE FACILITY, THERE IS NO DISCHARGE FROM THE BASIN, AS IT PERCOLATES TO THE MISSOURI RIVER.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING	IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?
<u>WATER BASIN</u> <u>0</u> INCHES	<input type="checkbox"/> YES OR <input checked="" type="checkbox"/> NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

NO TOPSOIL REMOVAL

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

NO TOPSOIL REMOVAL.

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**B. SPOIL**

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

NONE

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MISSOURI LAND  
RECLAMATION COMMISSION**C. ACID MATERIALS**

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

NONE

**D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

THE PIT AREA CONSISTS OF THE CATCH BASIN, LOCATED SOUTH OF THE SCALE ROAD, AND THE DRY PIT, LOCATED NORTH OF THE SCALE ROAD. THE CATCH BASIN IS USED AS A WATER SUPPLY SOURCE FOR THE FACILITY. THE DRY PIT AREA IS MOSTLY VEGETATED WITH FESCUE AND RED CLOVER. A FEW MATURE COTTON WOOD TREES ARE ALSO GROWING IN THE DRY PIT. SEE ATTACHED DRAWING

YES NO

- |                          |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?                                                                                                                                                                                                                                                                                                                                                                                                            |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)                                                                                                                                                                                                                                                                                                                                                           |

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RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
---------------------	---------------------	-----------------------------

APRIL OR MAY

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

THE CATCH BASIN WILL NOT BE SEEDED. IT WILL BE FILLED IN TO GROUND LEVEL AND USED AS A STOCKPILE AREA. THE DRY PIT WILL BE RESEEDED AS NEEDED TO SUPPLEMENT THE CURRENT VEGETATION. BROADCAST SEED FOLLOWED BY HARROWING.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
FESCUE RED CLOVER	15 LBS. 8 LBS	NATURAL COTTON WOOD	

REVEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
---------------------	---------------------	-----------------------------

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
REVISED			

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.



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**B. GRADING**

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

THE CATCH BASIN WILL BE FILLED WITH SAND TO GROUND LEVEL  
AND USED FOR STOCK PILE AREA.

THE DRY PIT IS RELATIVELY FLAT WITH A GENTLE SLOPE  
TO THE WEST.

**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**

**GRADING**

THE CATCH BASIN WILL BE FILLED IN AFTER THE WASHWATER FINES RECLAIMER  
IS INSTALLED AND IN OPERATION. THIS WILL BE ACCOMPLISHED WITHIN 12 MONTHS  
AFTER THE RECLAIMER IS INSTALLED. THE DRY PIT IS VEGETATED AND  
SHOULD NOT REQUIRE ANY GRADING.

**REPLACEMENT OF TOPSOIL**

NONE

**REVEGETATION**

REVEGETATION WILL OCCUR AS NEEDED ON THE DRY PIT AREA.  
NO REVEGETATION WILL OCCUR ON THE CATCH BASIN.

**AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)**

**D. USE OF LAND WHEN RECLAIMED**

Estimate acreage of each land use below, after reclamation

**ESTIMATED ACRES:**

Wildlife (forest or other habitat with livestock excluded)

0

Agricultural (pasture, cropland, and horticultural)

0

Development (residential, industrial, and recreational)

App. 2

Water impoundments (for wildlife, agricultural, or development)

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MISSOURI LAND  
RECLAMATION COMMISSION

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

REVISED

SIGNATURE OF APPLICANT <i>F. Ray Bollen</i>		TITLE <i>Gen Mgr.</i>	DATE <i>July 24, 2001</i>
NOTARY PUBLIC EMBOSSEER SEAL	STATE <i>Missouri</i>	COUNTY (OR CITY OF ST. LOUIS) <i>Cole</i>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>24<sup>th</sup></i> DAY OF <i>July</i> <i>2001</i>		USE RUBBER STAMP IN CLEAR AREA BELOW <div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 80%;">                     NANCY J. GOBBLE                      NOTARY PUBLIC - NOTARY SEAL                      STATE OF MISSOURI                      COUNTY OF COLE                      My Commission Expires: February 10, 2004                 </div>
	NOTARY PUBLIC SIGNATURE <i>Nancy J. Gobble</i>	MY COMMISSION EXPIRES <i>2-10-04</i>	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>NANCY J. Gobble</i>		
APPROVED BY (DIRECTOR'S REPRESENTATIVE)		DATE APPROVED	PERMIT NUMBER





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**SITE INFORMATION FORM**

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MISSOURI LAND

**RECLAMATION COMMISSION**

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER <b>Scheperle #1</b>		PERMIT NUMBER <b>0248</b>	
COMPANY NAME <b>Capital Sand Company, Inc.</b>			
COUNTY <b>Cole</b>	1/4 SECTION <b>NW</b>	SECTION <b>10</b>	
TOWNSHIP <b>43N</b>	RANGE <b>13W</b>	ACRES <b>3</b>	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <b>South Moreau Creek</b>			
MINERAL COMMODITY <b>S&amp;G</b>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <b>&gt;5,000</b>	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <b>Stubinger Estate (c/o Ralph Stubinger)</b>		
ADDRESS <b>3407 Wardsville Rd.</b>		
CITY <b>Jefferson City</b>	STATE <b>MO</b>	ZIP CODE <b>65101</b>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT <b>11/99</b>
<input type="checkbox"/> LEASE <input checked="" type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <b>As Above</b>		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

**NOTE:** Each site must be shown on a map and be included in a public notice and an approved mine plan.





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**SITE INFORMATION FORM**

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MISSOURI LAND  
RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER <b>Scheperle #1</b>		PERMIT NUMBER <b>0248</b>
COMPANY NAME <b>Capital Sand Company, Inc.</b>		
COUNTY <b>Cole</b>	1/4 SECTION <b>NW</b>	SECTION <b>10</b>
TOWNSHIP <b>43N</b>	RANGE <b>13W</b>	ACRES <b>3</b>
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <b>South Moreau Creek</b>		
MINERAL COMMODITY <b>S&amp;G</b>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <b>&gt;5,000</b>

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <b>Triple S Farm (c/o Elwyn Scheperle)</b>		
ADDRESS <b>4013 St. Michael Rd.</b>		
CITY <b>Russellville</b>	STATE <b>MO</b>	ZIP CODE <b>65074</b>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT <b>11/99</b>
<input type="checkbox"/> LEASE <input checked="" type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <b>As Above</b>		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

**NOTE:** Each site must be shown on a map and be included in a public notice and an approved mine plan.





**STREAM PROTECTION PLAN - 10 CSR 40-10.020(2)(D)3**

(Required for in-stream sites, or as required by the Director)

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RECLAMATION COMMISSION

TYPE OF PLAN  
(CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: 2010

Company Name: Capital Sand

DESCRIPTION OF STREAM CONDITION PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR) INCLUDING BANK CONDITION, BANK VEGETATION AND WATER QUALITY.

This site is located immediately upstream of Taylor Bridge on the South Moreau Creek. The creek has 2 main bar deposits (see detail map). Active sidecutting of the channel along the meanders bordering the deposits has resulted in steeply incised vertical banks between 10-15' in height. Pasture borders both banks w/scattered oak/hickory/sycamore marking pasture/creek boundary. The creek is perennial and flows in a 1-2' deep channel of approximate 10' width. Access to the bars is from the north, along an existing road bordering the creek.

DESCRIBE METHODS USED TO REDUCE DAMAGE TO STREAM BANKS, SUCH AS PROTECTING BANK VEGETATION, IF APPLICABLE.

Access to the gravel deposit will be limited to one point. Flowing water will not be redirected toward the stream banks. Excavations will not encroach any closer than 25' to the stream banks.

DESCRIBE METHODS USED TO REDUCE DAMAGE TO STREAM ENVIRONMENTS, SUCH AS KEEPING ACTIVE MINING OPERATIONS ON GRAVEL BARS, RATHER THAN IN FLOWING WATER, AND KEEPING HAUL ROADS AWAY FROM FLOWING WATER, IF APPLICABLE.

The depth of excavation will be limited such that it remains at or above the normal flow line of the creek. The operation will also be confined to bars and will stay at 25' from the active channel. Equipment corridors will remain on gravel bars or will only cross the channel where absolutely necessary.



DESCRIBE METHODS USED TO PROTECT WATER QUALITY, SUCH AS INSTALLING EROSION CONTROL DEVICES, IF APPLICABLE.

Water quality will be protected to the extent practical using best management practices (BMP's). Buffers will be maintained between the removal area and the active stream channel and stream banks. Removal operations will also be conducted only during periods of relatively low flow. Equipment will only be kept in-stream during periods of operation.

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RECLAMATION COMMISSION

By my signature, I attest to the following:

- 1) All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2) I or the company I am authorized to represent intend(s) to mine in accordance with this Plan, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3) I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no right to grant such access, I have attached signed affidavits from the landowners granting such access.

SIGNATURE OF APPLICANT ► <i>F. Ray Bohlken</i>		TITLE <i>Manager</i>	DATE <i>11-22-99</i>
Appeared before me this <i>22nd</i> day of <i>November</i> , 19 <i>99</i> . <i>F. Ray Bohlken</i> to me personally known, who executed the above as their free acts and deeds.			
NOTARY PUBLIC EMBOSSER SEAL	STATE OF <i>Missouri</i>	COUNTY (OR CITY OF ST. LOUIS) <i>Cole</i>	
SUBSCRIBED AND SWORN BEFORE ME, THIS <i>22nd</i> DAY OF <i>November</i> 19 <i>99</i>		USE RUBBER STAMP IN CLEAR AREA BELOW.	
NOTARY PUBLIC SIGNATURE <i>Nancy J. Gobble</i>		MY COMMISSION EXPIRES <i>2-10-2000</i>	
NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>NANCY J. Gobble</i>		NANCY J. GOBBLE NOTARY PUBLIC STATE OF MISSOURI COUNTY OF COLE MY COMMISSION EXPIRES FEB. 10, 2000	
APPROVED BY (DIRECTOR'S REPRESENTATIVE) ► <i>Larry Deptis</i>		TITLE <i>LRS III</i>	DATE APPROVED <i>12/22/99</i>



Attach the following documents to the Stream Protection Plan Form:

- A. Two copies of a map such that the mine can be located, and distinguished from other mines in the area.
- B. Two copies of a more detailed map, prepared on an original or clearly copied USGS 7-1/2 minute topographical map, county assessor map, A.S.C.S. aerial photo, up-to-date county plat, or a different base map with a scale of one inch to six hundred sixty feet (1" = 660') or larger.
  - 1. At minimum, the detailed map must show the following:
    - a. ownership boundaries, and names of owners of surface and subsurface rights to land within and contiguous to the permit area.
    - b. boundaries and acreage of each permitted site, and of the area to be affected over the term of the mine plan.
    - c. creeks or streams within the proposed permit area.
    - d. date of map preparation, preparer's name and title, north arrow, scale, and section, township and range lines.
  - 2. The following may be required for clarification:
    - a. abandoned surface mines.
    - b. locations of erosion and sediment control devices.
    - c. structures, and natural or cultural features to be protected.

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MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**SITE INFORMATION FORM**

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To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER <b>Scheperle #2</b>		PERMIT NUMBER <b>#0248</b>	MISSOURI RECLAMATION COMMISSION
COMPANY NAME <b>Capital Sand Company, Inc</b>			
COUNTY <b>Cole</b>	1/4 SECTION <b>NW</b>	SECTION <b>10</b>	
TOWNSHIP <b>43N</b>	RANGE <b>13W</b>	ACRES <b>2</b>	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <b>Russellville Branch</b>			
MINERAL COMMODITY <b>S&amp;G</b>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <b>&gt;5,000t</b>	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <b>Triple S. Farm (c/o Elwyn Scheperle)</b>		
ADDRESS <b>4013 St. Michael Rd.</b>		
CITY <b>Russellville</b>	STATE <b>MO</b>	ZIP CODE <b>65074</b>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT <b>10/00</b>
<input type="checkbox"/> LEASE <input checked="" type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <b>As Above</b>		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		
<b>NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.</b>		





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION

# STREAM PROTECTION PLAN - 10 CSR 40-10.020(2)(D)3

(Required for in-stream sites, or as required by the Director)

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TYPE OF PLAN ☐ SHORT TERM, FOR ONE PERMIT YEAR  
(CHECK ONE) ☒ LONG TERM, FOR PERIOD THROUGH DATE 2010

Company Name: Capital Sand

MISSOURI  
RECLAMATION COMMISSION

DESCRIPTION OF STREAM CONDITION PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING BANK CONDITION, BANK VEGETATION AND WATER QUALITY

This site is located along an approximate 1/4 mi reach of Russellville Branch, about 1,000 ft downstream of the LePage site. It begins where the Millbrook Branch joins the Russellville Branch and extends downstream along a straight channel to the first major bend. The site has operated previously under a general permit issued by the US Army Corps of Engineers on 12/12/96 (Permit #97-00151). The normal high water line is marked by a stable, well defined, incised channel between 6-8 ft in height. Trees line both banks. Cropland lies on both sides of the creek. The creek at this point is one continuous bar deposit from bank to bank. The dry weather channel is located along the north bank, but low-flow is obscured by gravel. The height of the bar above the apparent flow line is about 3 ft. Access to the bar is just above the Millbrook Branch junction.

DESCRIBE METHODS USED TO REDUCE DAMAGE TO STREAM BANKS, SUCH AS PROTECTING BANK VEGETATION, IF APPLICABLE

Access to the gravel bar(s) will be limited to the extent that is operationally feasible. One point of entry from the stream bank will be identified and maintained. Work will not result in an increase in the flow of water against stream banks. Excavations will not encroach upon stream banks. Wherever possible, a 10-ft buffer will be maintained.

DESCRIBE METHODS USED TO REDUCE DAMAGE TO STREAM ENVIRONMENTS, SUCH AS KEEPING ACTIVE MINING OPERATIONS ON GRAVEL BARS, RATHER THAN IN FLOWING WATER, AND KEEPING HAUL ROADS AWAY FROM FLOWING WATER, IF APPLICABLE

The depth of the excavation will be limited such that it remains at or above the normal flow line of the creek. The operation will also be confined to bars. A buffer will be maintained between the excavation area and the active channel. Equipment corridors will remain on gravel bars and will cross the channel where absolutely necessary.



FROM : DNR, DEED LAND RECLAMATION

PHONE NO. : 5737510534

Dec. 16 1999 11:38AM PJ

DESCRIBE METHODS USED TO PROTECT WATER QUALITY SUCH AS INSTALLING EROSION CONTROL DEVICES IF APPLICABLE

Water quality will be protected to the extent practicable. Best Management Practices (BMP's) will be used. Appropriate buffers will be maintained. Removal operations will be conducted during periods of relatively low-flow conditions. Equipment will only be kept "in-stream" during operation.

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MISSOURI LAND  
RECLAMATION COMMISSION

By my signature, I attest to the following:

- 1) All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2) I or the company I am authorized to represent intend(s) to mine in accordance with this Plan, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3) I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no right to grant such access, I have attached signed affidavits from the landowners granting such access.

SIGNATURE OF APPLICANT

TITLE

DATE

► Ray BohlenGeneral Manager11/22/00Appeared before me this 22<sup>nd</sup> day of November, 192000.Ray Bohlen

to me personally known.

who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSED SEAL

STATE OF

COUNTY (OR CITY OF ST. LOUIS)

JOYCE E SCHOKKER  
Notary Public -  
STATE OF MISSOURI  
CALLAWAY COUNTY  
MY COMMISSION EXPIRES AUG. 28, 2004

SUBSCRIBED AND SWORN BEFORE ME THIS

Seal

22<sup>nd</sup>

DAY OF

Nov

2000

to

USE RUBBER STAMP IN CLEAR AREA BELOW.

NOTARY PUBLIC SIGNATURE

MY COMMISSION

EXPIRES

Joyce E Schokker8/28/04

NOTARY PUBLIC NAME (TYPED OR PRINTED)

Joyce E Schokker

APPROVED BY (DIRECTOR'S REPRESENTATIVE)

TITLE

DATE APPROVED

► Larry DeptisLRS III11/10/2001



Attach the following documents to the Stream Protection Plan Form:

- A. Two copies of a map such that the mine can be located, and distinguished from other mines in the area.
- B. Two copies of a more detailed map, prepared on an original or clearly copied USGS 7-1/2 minute topographical map, county assessor map, A.S.C.S. aerial photo, up-to-date county plat, or a different base map with a scale of one inch to six hundred sixty feet (1" = 660') or larger.
  1. At minimum, the detailed map must show the following:
    - a. ownership boundaries, and names of owners of surface and subsurface rights to land within and contiguous to the permit area.
    - b. boundaries and acreage of each permitted site, and of the area to be affected over the term of the mine plan.
    - c. creeks or streams within the proposed permit area.
    - d. date of map preparation, preparer's name and title, north arrow, scale, and section, township and range lines.
  2. The following may be required for clarification:
    - a. abandoned surface mines.
    - b. locations of erosion and sediment control devices.
    - c. structures, and natural or cultural features to be protected.

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DEC 15 2000

MISSOURI LAND  
RECLAMATION COMMISSION





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
SITE INFORMATION FORM

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To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER <b>LePage</b>		PERMIT NUMBER <b>#0248</b>	MISSOURI LAND RECLAMATION COMMISSION
COMPANY NAME <b>Capital Sand Company, Inc.</b>			
COUNTY <b>Cole</b>	1/4 SECTION <b>NE</b>	SECTION <b>9</b>	
TOWNSHIP <b>43N</b>	RANGE <b>13W</b>	ACRES <b>1</b>	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <b>Russellville Branch</b>			
MINERAL COMMODITY <b>S &amp; G</b>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <b>&gt;5,000t</b>	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <b>Tom E. LePage</b>		
ADDRESS <b>Route 3, Box 5914</b>		
CITY <b>Russellville</b>	STATE <b>MO</b>	ZIP CODE <b>65074</b>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input type="checkbox"/> LEASE <input checked="" type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT <b>10/00</b>

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <b>As Above</b>		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT
<b>NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.</b>		





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION

**STREAM PROTECTION PLAN - 10 CSR 40-10.020(2)(D)3**

(Required for in-stream sites, or as required by the Director)

TYPE OF PLAN  
(CHECK ONE)

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE 2010

Company Name: Capital Sand

DESCRIPTION OF STREAM CONDITION PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING BANK CONDITION, BANK VEGETATION AND WATER QUALITY

This site is located along an approximate ¼ mile reach of Russellville Branch. It is 1,000 ft upstream of the Schepelerle #2 site. It is also located 0.6 mi upstream of the Schepelerle #1 site, which is located on S. Moreau Ck. The site has operated previously under a general permit issued by the US Army Corps of Engineers on 12/12/96 (Permit #97-00152). The Russellville Branch is an intermittent creek with a small amount of base flow derived from groundwater. It drains into S. Moreau Ck about ½ mi downstream. The dry weather channel is about 3-8 ft wide and less than 1 ft deep except for pools. The north side of the creek is fringed by trees and opens up into rowcrops beyond the normal high water line. The south side consists of a wooded bluff with rock outcrops along the creek bank. The normal high water line is well defined. The site is marked by an existing access road (low water crossing) and numerous cattle trails. Water quality appears good.

DESCRIBE METHODS USED TO REDUCE DAMAGE TO STREAM BANKS, SUCH AS PROTECTING BANK VEGETATION, IF APPLICABLE

Access to the gravel bar(s) will be limited to the extent that is operationally feasible. One point of entry from the stream bank will be identified and maintained. Work will not result in an increase in the flow of water against stream banks. Excavations will not encroach upon stream banks. Wherever possible, a 10-ft buffer will be maintained.

DESCRIBE METHODS USED TO REDUCE DAMAGE TO STREAM ENVIRONMENTS, SUCH AS KEEPING ACTIVE MINING OPERATIONS ON GRAVEL BARS, RATHER THAN IN FLOWING WATER, AND KEEPING HAUL ROADS AWAY FROM FLOWING WATER, IF APPLICABLE

The depth of the excavation will be limited such that it remains at or above the normal flow line of the creek. The operation will also be confined to bars. A buffer will be maintained between the excavation area and the active channel. Equipment corridors will remain on gravel bars and will cross the channel where absolutely necessary.

**RECEIVED**

DEC 15 2000

MISSOURI LAND  
RECLAMATION COMMISSION



FROM : DNR/DEQ/LAND RECLAMATION

PHONE NO. : 5737510534

Dec. 16 1999 11:38AM PS

DESCRIBE METHODS USED TO PROTECT WATER QUALITY, SUCH AS INSTALLING EROSION CONTROL DEVICES IF APPLICABLE

Water quality will be protected to the extent practicable. Best Management Practices (BMP's) will be used. Appropriate buffers will be maintained. Removal operations will be conducted during periods of relatively low-flow conditions. Equipment will only be kept "in-stream" during operation.

RECEIVED

DEC 15 2000

MISSOURI LAND  
RECLAMATION COMMISSION

By my signature, I attest to the following:

- 1) All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2) I or the company I am authorized to represent intend(s) to mine in accordance with this Plan, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3) I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no right to grant such access, I have attached signed affidavits from the landowners granting such access.

SIGNATURE OF APPLICANT ► <i>F Ray Bohlen</i>		TITLE General Manager	DATE 11 22 00
Appeared before me this <u>22<sup>nd</sup></u> day of <u>November</u> , <u>2000</u>			
_____ to me personally known. who executed the above as their free acts and deeds.			
NOTARY PUBLIC EMBOSSEER SEAL JOYCE E SCHOKKER Notary Public - Notary Seal STATE OF MISSOURI CALLAWAY COUNTY MY COMMISSION EXPIRES 12/22/01	STATE OF <u>Missouri</u> SUBSCRIBED AND SWORN BEFORE ME, THIS <u>22<sup>nd</sup></u> DAY OF <u>Nov</u> , <u>2000</u> NOTARY PUBLIC SIGNATURE <i>Joyce E Schokker</i> NOTARY PUBLIC NAME (TYPED OR PRINTED) Joyce E Schokker	COUNTY (OR CITY OF ST LOUIS) USE RUBBER STAMP IN CLEAR AREA BELOW. MY COMMISSION EXPIRES <u>8/28/04</u>	
APPROVED BY (DIRECTOR'S REPRESENTATIVE) ► <i>Darryl Hoptis</i>		TITLE LRS III	DATE APPROVED 01/10/01



Attach the following documents to the Stream Protection Plan Form:

- A. Two copies of a map such that the mine can be located, and distinguished from other mines in the area
- B. Two copies of a more detailed map, prepared on an original or clearly copied USGS 7-1/2 minute topographical map, county assessor map, A.S.C.S. aerial photo, up-to-date county plat, or a different base map with a scale of one inch to six hundred sixty feet (1" = 660') or larger.
  1. At minimum, the detailed map must show the following:
    - a. ownership boundaries, and names of owners of surface and subsurface rights to land within and contiguous to the permit area.
    - b. boundaries and acreage of each permitted site, and of the area to be affected over the term of the mine plan.
    - c. creeks or streams within the proposed permit area.
    - d. date of map preparation, preparer's name and title, north arrow, scale, and section, township and range lines.
  2. The following may be required for clarification:
    - a. abandoned surface mines.
    - b. locations of erosion and sediment control devices.
    - c. structures, and natural or cultural features to be protected.

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MISSOURI  
RECLAMATION COMMISSION





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**SITE INFORMATION FORM**

RECEIVED  
MAY 09 2000

MISSOURI LAND  
RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER <b>Gerloff #1</b>		PERMIT NUMBER <b>0248</b>	
COMPANY NAME <b>Capital Sand Company, Inc.</b>			
COUNTY <b>Gasconade</b>	1/4 SECTION <b>NW/SW, SW</b>	SECTION <b>7 + 6</b>	
TOWNSHIP <b>42 N</b>	RANGE <b>06 W</b>	ACRES <b>3</b>	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <b>Crider Creek</b>			
MINERAL COMMODITY <b>Sand + Gravel</b>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <b>&gt; 5,000</b>	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <b>Charles Gerloff</b>		
ADDRESS <b>3162 Hwy A</b>		
CITY <b>Bland</b>	STATE <b>MO</b>	ZIP CODE <b>65014</b>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input type="checkbox"/> LEASE <input checked="" type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT <b>4/00</b>

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <b>As Above</b>		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT

**NOTE:** Each site must be shown on a map and be included in a public notice and an approved mine plan.



**RECEIVED**  
Dec. 16 1999 11:38AM  
MAY 09 2000



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION

**STREAM PROTECTION PLAN - 10 CSR 40-10.020(2)(D)3**

(Required for in-stream sites, or as required by the Director)

MISSOURI LAND  
RECLAMATION COMMISSION

TYPE OF PLAN (CHECK ONE) ☐ SHORT TERM, FOR ONE PERMIT YEAR  
☒ LONG TERM FOR PERIOD THROUGH DATE 2010 Company Name: Capital Sand  
DESCRIPTION OF STREAM CONDITION PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING BANK CONDITION, BANK VEGETATION AND WATER QUALITY

This plan applies to an approximate 4600' reach of Crider Creek, just above its confluence w/Third Creek. The creek is oriented roughly north-south and has 3 major gravel bars developed on meanders. The southern bar is bounded by a wooded ridge to the west. Otherwise the creek flows through pasture within a 5-10' incised channel. The bars are variable in size (see detail map). Past gravel removal by other operators is in evidence at this site.

DESCRIBE METHODS USED TO REDUCE DAMAGE TO STREAM BANKS, SUCH AS PROTECTING BANK VEGETATION, IF APPLICABLE

Access to the gravel bars will be limited to the extent that is operationally feasible. The southernmost bar will be accessed from the east. This will be the main point of entry and the sole access point for the south bar. The middle and ~~south~~ north bars will be accessed via the creek if possible and should not have stream bank access points. If needed, only one stream bank access point per bar will be developed. Work will not result in a increase in the flow of water against stream banks. Excavations will not encroach upon stream banks. Whenever possible a 10-ft buffer will be maintained.

DESCRIBE METHODS USED TO REDUCE DAMAGE TO STREAM ENVIRONMENTS, SUCH AS KEEPING ACTIVE MINING OPERATIONS ON GRAVEL BARS, RATHER THAN IN FLOWING WATER, AND KEEPING HAUL ROADS AWAY FROM FLOWING WATER, IF APPLICABLE

The depth of the excavation will be limited such that it remains at or above the normal flow line of the creek. The operation will also be confined to bars. A buffer will be maintained between the excavation area and the active channel. Equipment corridors will remain on gravel bars and will cross the channel only where absolutely necessary.



DESCRIBE METHODS USED TO PROTECT WATER QUALITY SUCH AS INSTALLING EROSION CONTROL DEVICES IF APPLICABLE

Water quality will be protected to the extent practicable. Best Management Practices (BMP's) will be used. Appropriate buffers will be maintained. Removal operations will be conducted during periods of relatively low-flow conditions. Equipment will be kept "in-stream" only during hours of operation.

RECEIVED  
MAY 09 2000  
MISSOURI LAND  
RECLAMATION COMMISSION

By my signature, I attest to the following:

- 1) All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2) I or the company I am authorized to represent intend(s) to mine in accordance with this Plan, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3) I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no right to grant such access, I have attached signed affidavits from the landowners granting such access.

SIGNATURE OF APPLICANT

TITLE

DATE

F Ray Bohlken

Gen Mgr

5-2-00

Appeared before me this 2nd day of May, 2000.

F Ray Bohlken to me personally known,  
who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSED SEAL

STATE OF

COUNTY (OR CITY OF ST LOUIS)

Missouri

SUBSCRIBED AND SWORN BEFORE ME THIS

2nd DAY OF May 2000

Cole

USE RUBBER STAMP IN CLEAR AREA BELOW.

NOTARY PUBLIC SIGNATURE

MY COMMISSION EXPIRES

Nancy J. Gobble

2-10-2000

NOTARY PUBLIC NAME (TYPED OR PRINTED)

NANCY J. GOBBLE  
NOTARY PUBLIC - NOTARY SEAL  
STATE OF MISSOURI  
COUNTY OF COLE  
My Commission Expires February 10, 2004

APPROVED BY (DIRECTOR'S REPRESENTATIVE)

TITLE

DATE APPROVED

Larry Dept's

LR5 III

06/29/00



Attach the following documents to the Stream Protection Plan Form:

- A. Two copies of a map such that the mine can be located, and distinguished from other mines in the area
- B. Two copies of a more detailed map, prepared on an original or clearly copied USGS 7-1/2 minute topographical map, county assessor map, A.S.C.S. aerial photo, up-to-date county plat, or a different base map with a scale of one inch to six hundred sixty feet (1" = 660') or larger.
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    - a. ownership boundaries, and names of owners of surface and subsurface rights to land within and contiguous to the permit area.
    - b. boundaries and acreage of each permitted site, and of the area to be affected over the term of the mine plan.
    - c. creeks or streams within the proposed permit area.
    - d. date of map preparation, preparer's name and title, north arrow, scale, and section, township and range lines.
  - 2. The following may be required for clarification:
    - a. abandoned surface mines.
    - b. locations of erosion and sediment control devices.
    - c. structures, and natural or cultural features to be protected.

RECEIVED  
MAY 09 2000  
MISSOURI LAND  
RECLAMATION COMMISSION





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**SITE INFORMATION FORM**

**RECEIVED**  
FEB 02 2000  
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER <b>Eldringhoff #1</b>		PERMIT NUMBER <b>#0248</b>	
COMPANY NAME <b>Capital Sand Company, Inc.</b>			
COUNTY <b>Montgomery</b>	1/4 SECTION <b>NE</b>	SECTION <b>33</b>	
TOWNSHIP <b>47N</b>	RANGE <b>06W</b>	ACRES <b>1</b>	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <b>Morrows Branch</b>			
MINERAL COMMODITY <b>S &amp; G (I/S)</b>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <b>+5,000</b>	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <b>Vincent Eldringhoff</b>		
ADDRESS <b>Overkamp Rd. 284 2866-030</b>		
CITY <b>Rhineland</b>	STATE <b>MO</b>	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT <b>12/99</b>
<input type="checkbox"/> LEASE <input checked="" type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <b>As Above</b>		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

**NOTE:** Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION

## STREAM PROTECTION PLAN - 10 CSR 40-10.020(2)(D)3

(Required for in-stream sites, or as required by the Director)

RECEIVED  
FEB 2 2000  
MISSOURI LAND  
RECLAMATION COMMISSIONTYPE OF PLAN  
(CHECK ONE)☐ SHORT TERM, FOR ONE PERMIT YEAR☒ LONG TERM, FOR PERIOD THROUGH DATE 2010 Company Name: Capital Sand

DESCRIPTION OF STREAM CONDITION PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING BANK CONDITION, BANK VEGETATION AND WATER QUALITY

This plan applies to an approximate 0.25 mi. reach of the Morrow Branch, a relatively small, intermittent creek. It lies adjacent to a prominent, wooded bluff on the south side. Over time, channel meander and bar development has forced the active channel northward, where it is actively sidecutting potentially productive ground (currently unmaintained pasture). The abandoned channel is well defined against the bluff and outlines 2 major and 1 minor bar deposit (see Detail Map). The bars have been in place for some time, as evidenced by vegetative growth developed on them in places. The active channel is 10-20 ft wide and 1-2 ft deep on average. Photos of the site are enclosed.

DESCRIBE METHODS USED TO REDUCE DAMAGE TO STREAM BANKS, SUCH AS PROTECTING BANK VEGETATION, IF APPLICABLE

Access to the gravel bars will be limited to one point, located on the north side of the central bar. Work will not result in any increase in the flow of water already being redirected toward stream banks. Excavations will not encroach upon stream banks. Wherever possible, a 25 ft buffer will be maintained.

DESCRIBE METHODS USED TO REDUCE DAMAGE TO STREAM ENVIRONMENTS, SUCH AS KEEPING ACTIVE MINING OPERATIONS ON GRAVEL BARS, RATHER THAN IN FLOWING WATER, AND KEEPING HAUL ROADS AWAY FROM FLOWING WATER, IF APPLICABLE

The depth of excavation will be limited such that it remains at or above the normal flow line of the creek. The operation will also be confined to bars. A buffer will be maintained between the excavation area and the active channel. Equipment corridors will remain on gravel bars or will only cross the channel where absolutely necessary to access adjoining bar deposits.



DESCRIBE METHODS USED TO PROTECT WATER QUALITY SUCH AS INSTALLING EROSION CONTROL DEVICES IF APPLICABLE

Water quality will be protected to the extent practicable. Best Management Practices (BMP's) will be used. Appropriate buffers will be maintained. Removal operations will be conducted during periods of relatively low-flow conditions. Equipment will only be kept "in-stream" during operation.

RECEIVED  
FEB 02 2000  
MISSOURI LAND  
RECLAMATION COMMISSION

By my signature, I attest to the following:

- 1) All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2) I or the company I am authorized to represent intend(s) to mine in accordance with this Plan, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3) I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no right to grant such access, I have attached signed affidavits from the landowners granting such access.

SIGNATURE OF APPLICANT

TITLE

DATE

► F. Ray Bohlken

Gen Mgr

1-18-00

Appeared before me this 24<sup>th</sup> day of January, 2000.  
F. Ray Bohlken to me personally known  
 who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSED SEAL

STATE OF

COUNTY (OR CITY OF ST. LOUISI)

Missouri

SUBSCRIBED AND SWORN BEFORE ME THIS

24<sup>th</sup>

DAY OF

January

2000

USE RUBBER STAMP IN CLEAR AREA BELOW.

NOTARY PUBLIC SIGNATURE

MY COMMISSION  
EXPIRES

Nancy J. Gobble

2-10-00

NOTARY PUBLIC (NAME TYPED OR PRINTED)

NANCY J. Gobble

NANCY J. GOBBLE  
 NOTARY PUBLIC STATE OF MISSOURI  
 COUNTY OF COLE  
 MY COMMISSION EXPIRES FEB. 10, 2000

APPROVED BY (DIRECTOR'S REPRESENTATIVE)

TITLE

DATE APPROVED

► Larry Hoptis

LRS III

03/31/00



Attach the following documents to the Stream Protection Plan Form:

- A. Two copies of a map such that the mine can be located, and distinguished from other mines in the area.
- B. Two copies of a more detailed map, prepared on an original or clearly copied USGS 7-1/2 minute topographical map, county assessor map, A.S.C.S. aerial photo, up-to-date county plat, or a different base map with a scale of one inch to six hundred sixty feet (1" = 660') or larger.
  1. At minimum, the detailed map must show the following:
    - a. ownership boundaries, and names of owners of surface and subsurface rights to land within and contiguous to the permit area.
    - b. boundaries and acreage of each permitted site, and of the area to be affected over the term of the mine plan.
    - c. creeks or streams within the proposed permit area.
    - d. date of map preparation, preparer's name and title, north arrow, scale, and section, township and range lines.
  2. The following may be required for clarification:
    - a. abandoned surface mines.
    - b. locations of erosion and sediment control devices.
    - c. structures, and natural or cultural features to be protected.

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FEB 4 2000  
MISSOURI LAND  
RECLAMATION COMMISSION



# LOCATOR MAP

Capital Sand Company, Inc.

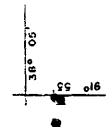
Permit #0248

Site: Beam #1 (I/S)

Phelps County

S-23, T-37N, R-10W

Prepared by: Jason Branstetter  
12/03



TO VENETA

M A R I E S

TO RTE 135  
R 9 W R 8 W

T 39 N  
T 38 N

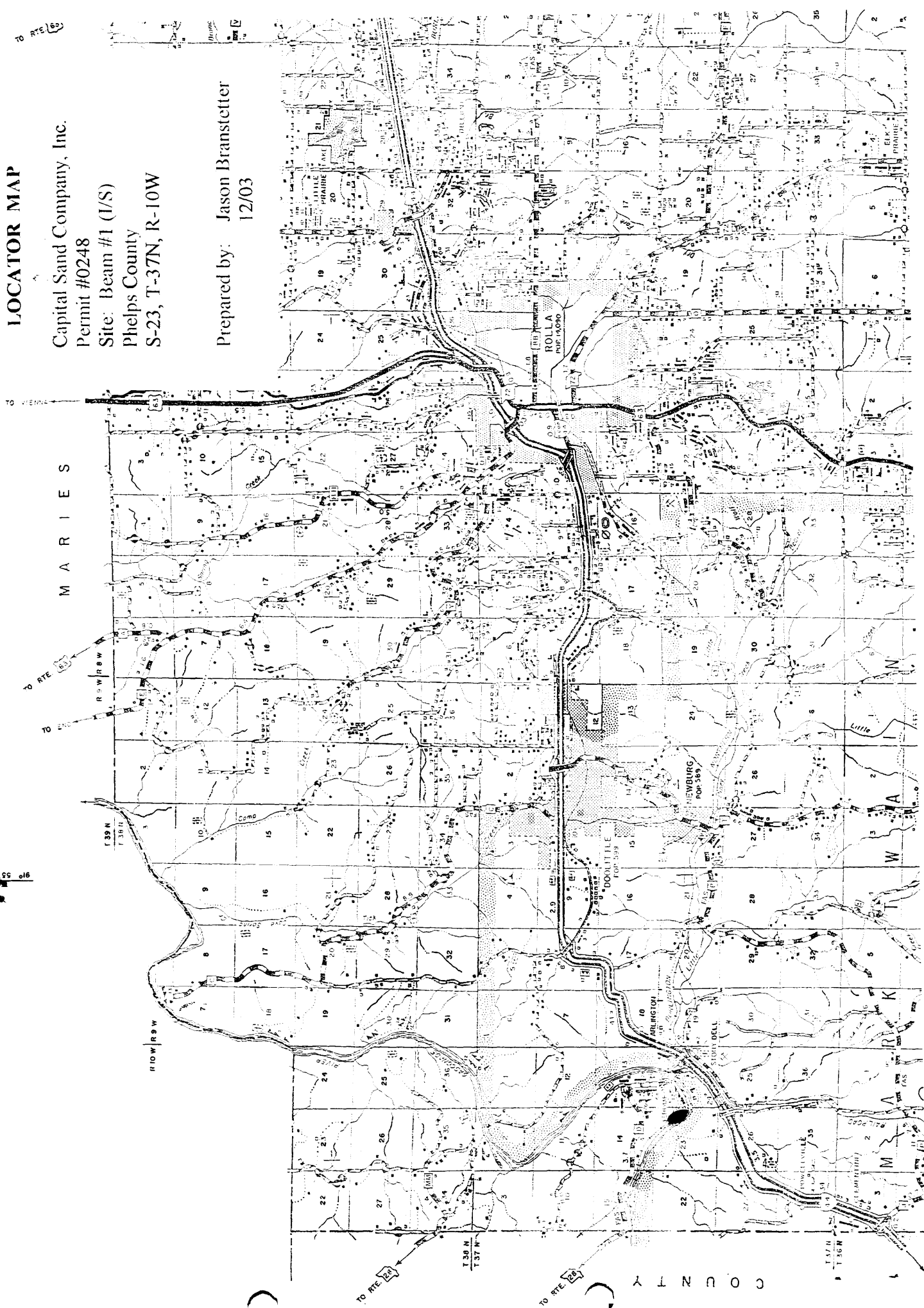
R 10 W R 9 W

T 38 N  
T 37 N

TO RTE 26

C O U N T Y

T 37 N  
T 36 N





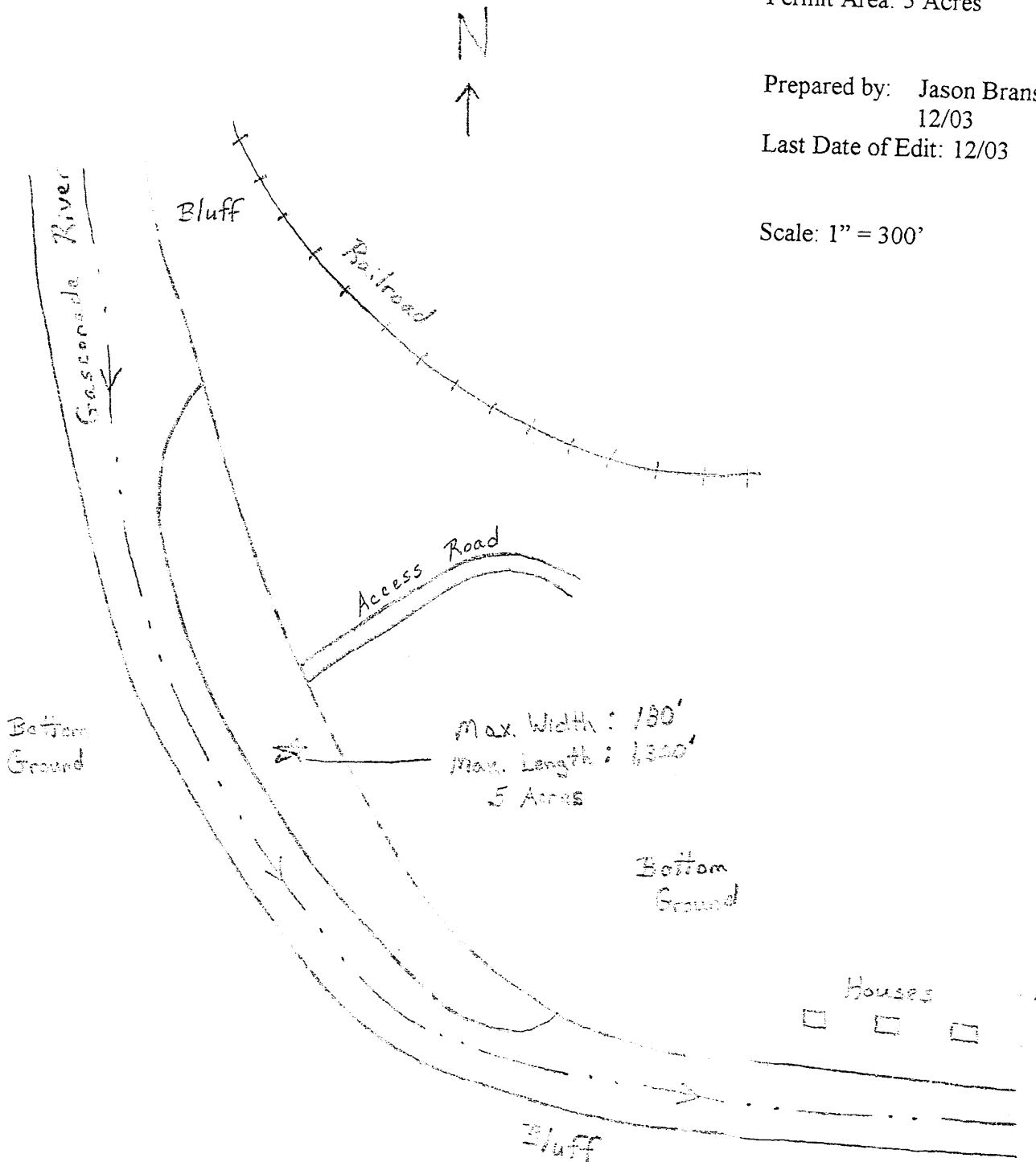
## DETAIL MAP

Capital Sand Company, Inc.  
Permit #0248  
Site: Beam #1 (L/S)  
Phelps County  
S-23, T-37N, R-10W

Permit Area: 5 Acres

Prepared by: Jason Branstetter  
12/03  
Last Date of Edit: 12/03

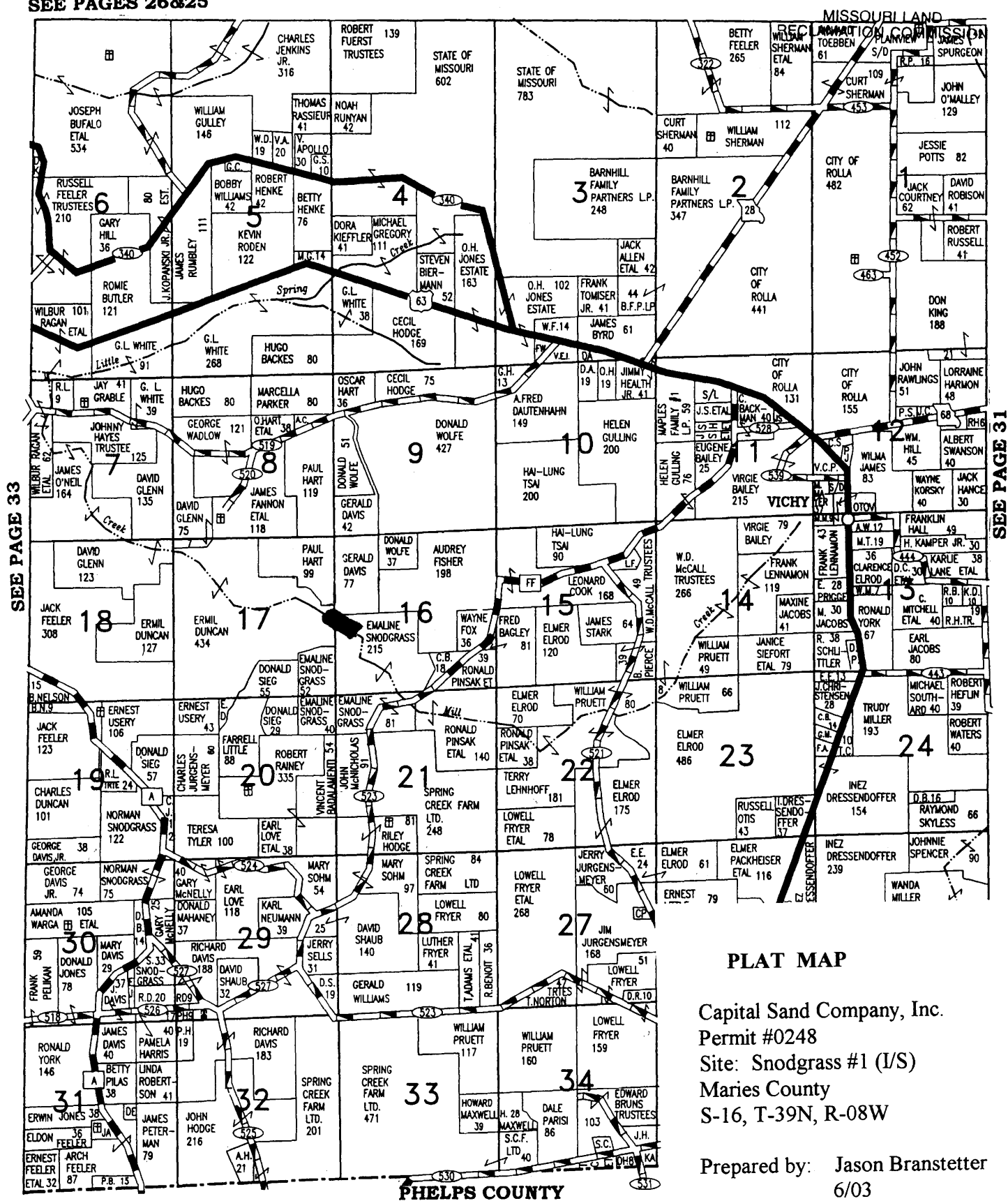
Scale: 1" = 300'





## JUN 12 2003

**SEE PAGES 26&25**



## PLAT MAP

**Capital Sand Company, Inc.**  
**Permit #0248**  
**Site: Snodgrass #1 (I/S)**  
**Maries County**  
**S-16, T-39N, R-08W**

Prepared by: Jason Branstetter  
6/03

LAST MAP Edit - APRIL 2000



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JUN 12 2003

MISSOURI LAND  
RECLAMATION COMMISSION

DETAIL MAP

Capital Sand Company, Inc.  
Permit #0248  
Site: Snodgrass #1 (I/S)  
Maries County  
S-16, T-39N, R-08W

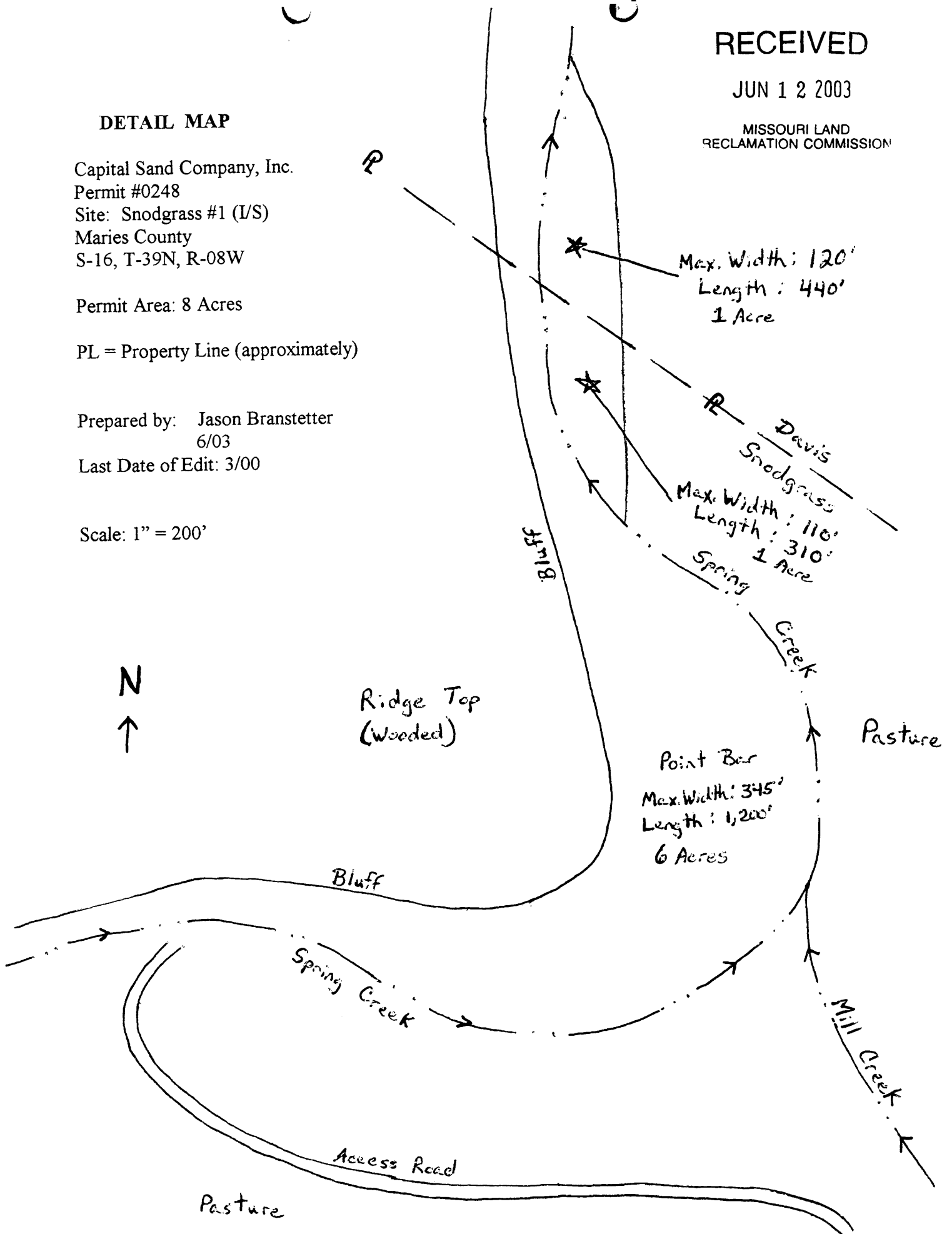
Permit Area: 8 Acres

PL = Property Line (approximately)

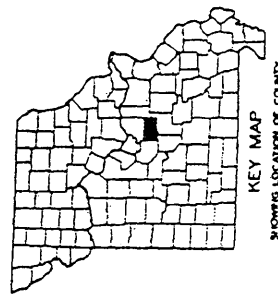
Prepared by: Jason Branstetter  
6/03

Last Date of Edit: 3/00

Scale: 1" = 200'





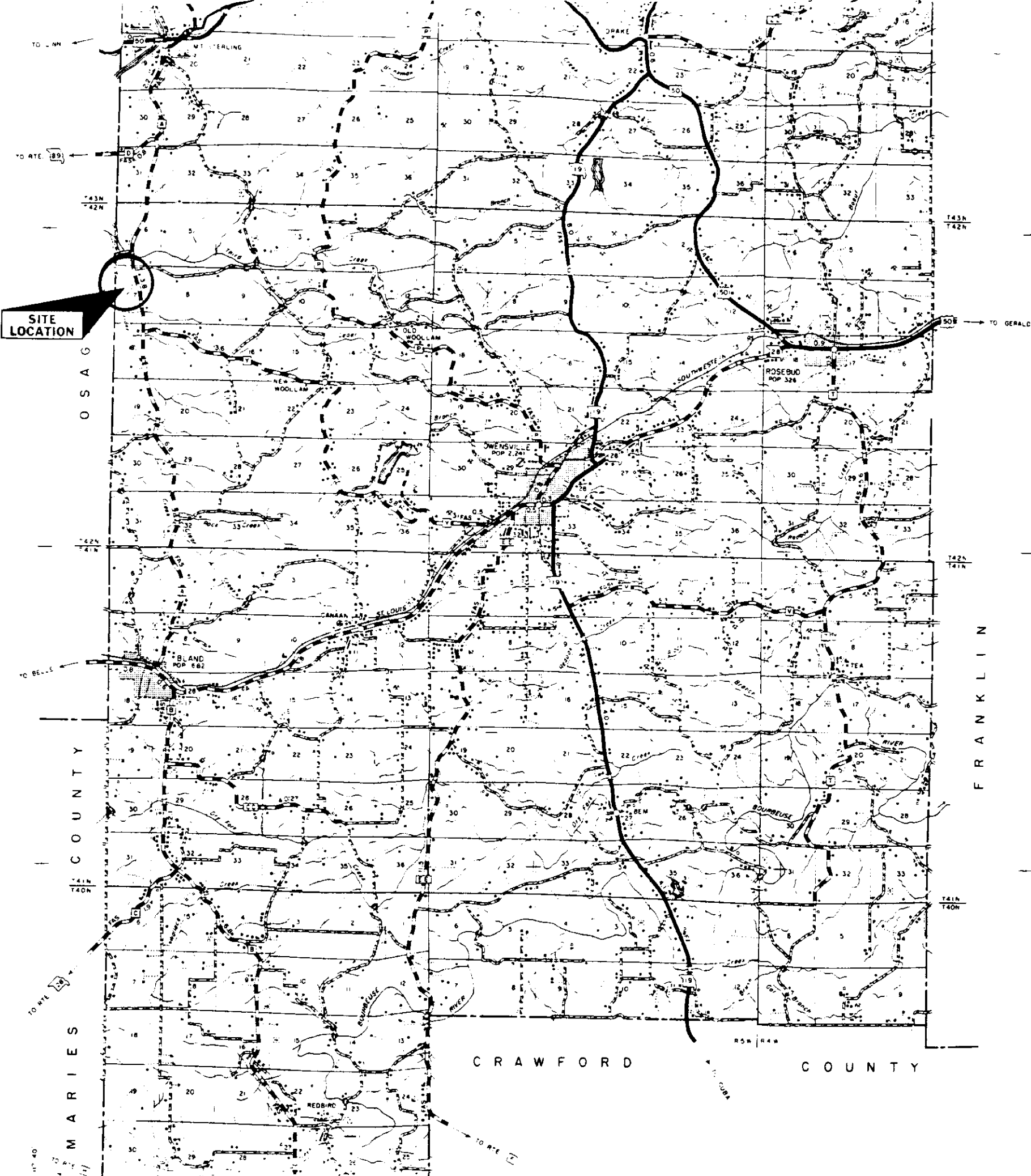


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JUN 12 2003  
MISSOURI LAND  
RECLAMATION COMMISSION

Prepared by: Jason Branstetter  
6/03

LAST MAP EDIT - APRIL 2000






- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Military Air Field</li> <li>Commercial or Municipal Air Field</li> <li>Landing Area or Strip</li> <li>Airway Beacon Light</li> <li>Operated Ship and Barge</li> <li>Dock Pier or Landing</li> <li>Ferry TF: Tolt FF: Free</li> <li>Navigable Stream</li> <li>Dam</li> <li>Dam with Lock</li> <li>Dam with Road</li> <li>Wide Stream</li> <li>Narrow Stream</li> <li>Intermittent Stream</li> <li>Drainage Ditch</li> <li>Marsh or Swamp Land</li> <li>Reservoir Pond or Lake</li> <li>Reservoir with Dam</li> <li>Levee or Dike</li> <li>Levee or Dike with Road</li> <li>Natural Ford</li> <li>Paved Ford or Low Water Bridge</li> <li>Bridge - General (span longer than 20 feet)</li> <li>Small Bridges Closely Spaced</li> <li>Drawbridge</li> <li>Suspension Bridge</li> <li>Arch Bridge</li> <li>Steel Truss Bridge</li> <li>City, Town and Village Limits</li> <li>Delineated Urban Area Line</li> <li>Park or Reservation Boundary</li> <li>State Line</li> <li>County Line</li> <li>Civil Township Line</li> </ul> | <ul style="list-style-type: none"> <li>County Seat or Court House</li> <li>Fair Ground or Race Track</li> <li>Farm Unit</li> <li>Dwelling other than Farm</li> <li>Dwellings Closely Spaced</li> <li>Seasonal Dwellings</li> <li>Seasonal Dwellings Closely Spaced</li> <li>Hotel or Inn</li> <li>Church</li> <li>Hospital</li> <li>Cemetery</li> <li>Church with Cemetery Adjacent</li> <li>Store or Small Business</li> <li>Factory or Industrial Plant</li> <li>Sawmill - Stationary</li> <li>Mine or Quarry</li> <li>Nursery</li> <li>School House</li> <li>Consolidated or Large School</li> <li>Post Office</li> <li>Town or Community Hall</li> <li>Mixed Cultural Features Closely Spaced</li> <li>County Home - Farm or Infirmary</li> <li>Pumping Station - Oil or Gas</li> <li>Combined Dwelling and Business</li> <li>Weight Station</li> <li>Forest Ranger Station</li> <li>Forest Lookout Tower</li> <li>SHD Maintenance Shed</li> <li>State Highway Patrol Station</li> <li>State Capitol</li> <li>County Seat</li> <li>Other Cities Towns and Villages</li> </ul> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

CAPITAL SAND COMPANY, INC.  
 Gerloff Site (I/S)  
 S-6&7, T-42N, R-06W  
 Gasconade County

Route Map  
 (for location purposes only)

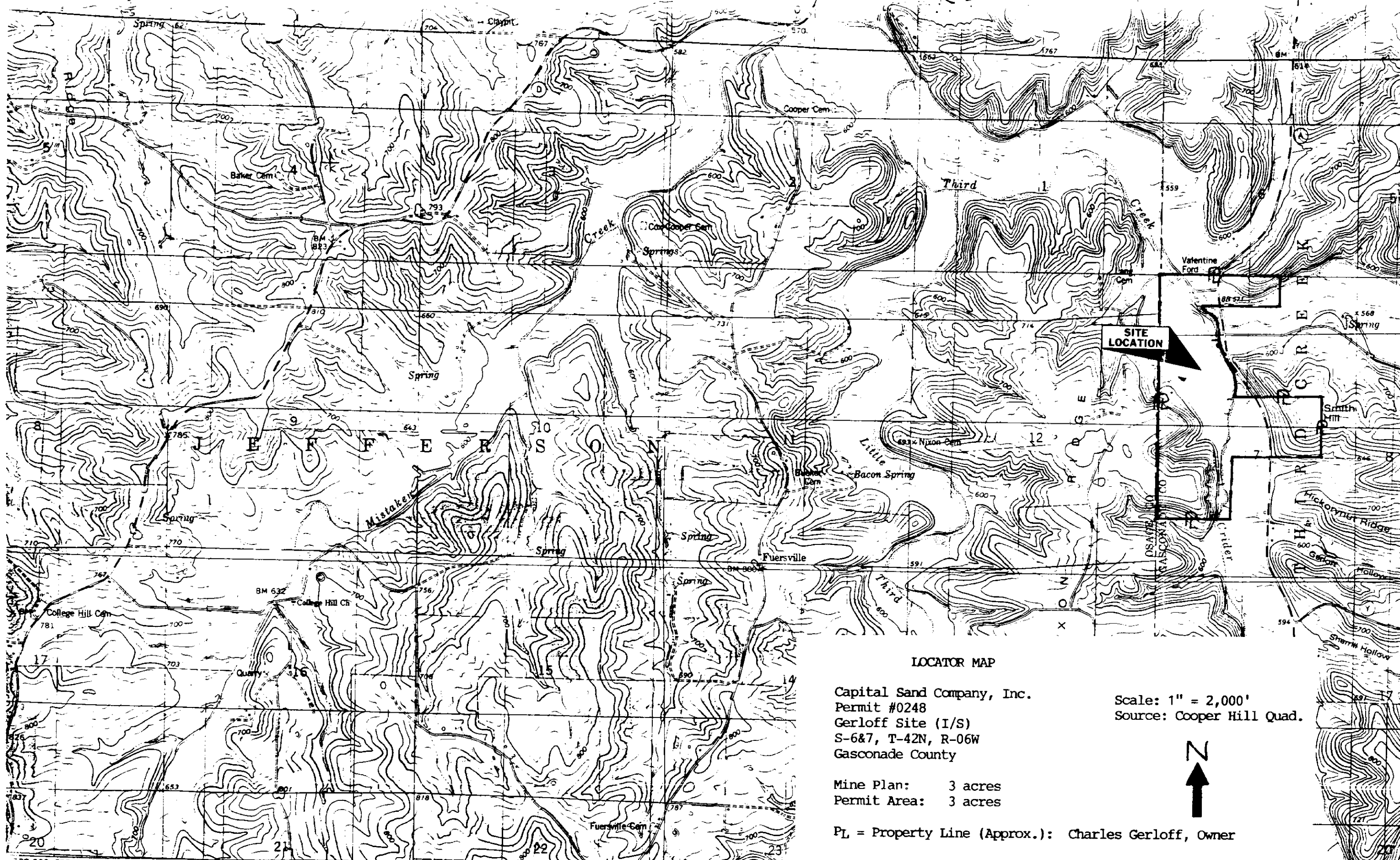


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MAY 10 2000

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LOCATOR MAP

Capital Sand Company, Inc.  
Permit #0248  
Gerloff Site (I/S)  
S-6&7, T-42N, R-06W  
Gasconade County

Scale: 1" = 2,000'  
Source: Cooper Hill Quad.

Mine Plan: 3 acres  
Permit Area: 3 acres

PL = Property Line (Approx.): Charles Gerloff, Owner

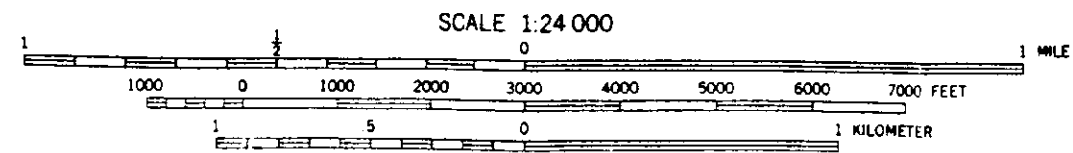
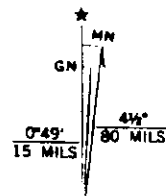


Geological Survey

Aerial photographs  
1981

MS

ie



CONTOUR INTERVAL 20 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929



ROAD CLASSIFICATION

- |                                    |                                              |
|------------------------------------|----------------------------------------------|
| Primary highway,<br>hard surface   | Light-duty road, hard or<br>improved surface |
| Secondary highway,<br>hard surface | Unimproved road                              |
| Interstate Route                   | U. S. Route                                  |
|                                    | State Route                                  |

38°22'30"  
91°37'30"  
TOWNSHIP WEST  
RANGE 6 EAST



DETAIL

MAP



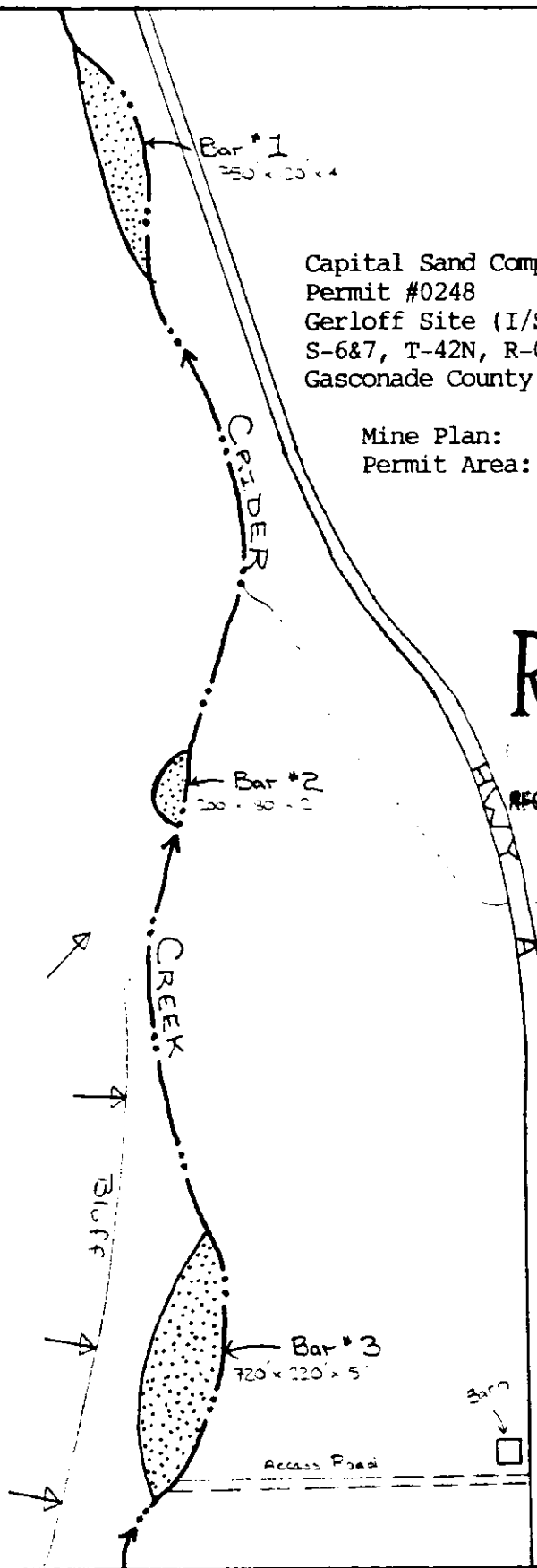
Scale  
1" = 500'

Capital Sand Company, Inc.  
Permit #0248  
Gerloff Site (I/S)  
S-6&7, T-42N, R-06W  
Gasconade County

Mine Plan: 3 acres  
Permit Area: 3 acres

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MAY 09 2000

MISSOURI LAND  
RECLAMATION COMMISSION

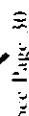


MCC  
4/00



1998

T.43N. - R.13W.



Le Page Site



JEFFERSON CITY TERMINAL

2116 IDLEWOOD  
JEFFERSON CITY MO 65109

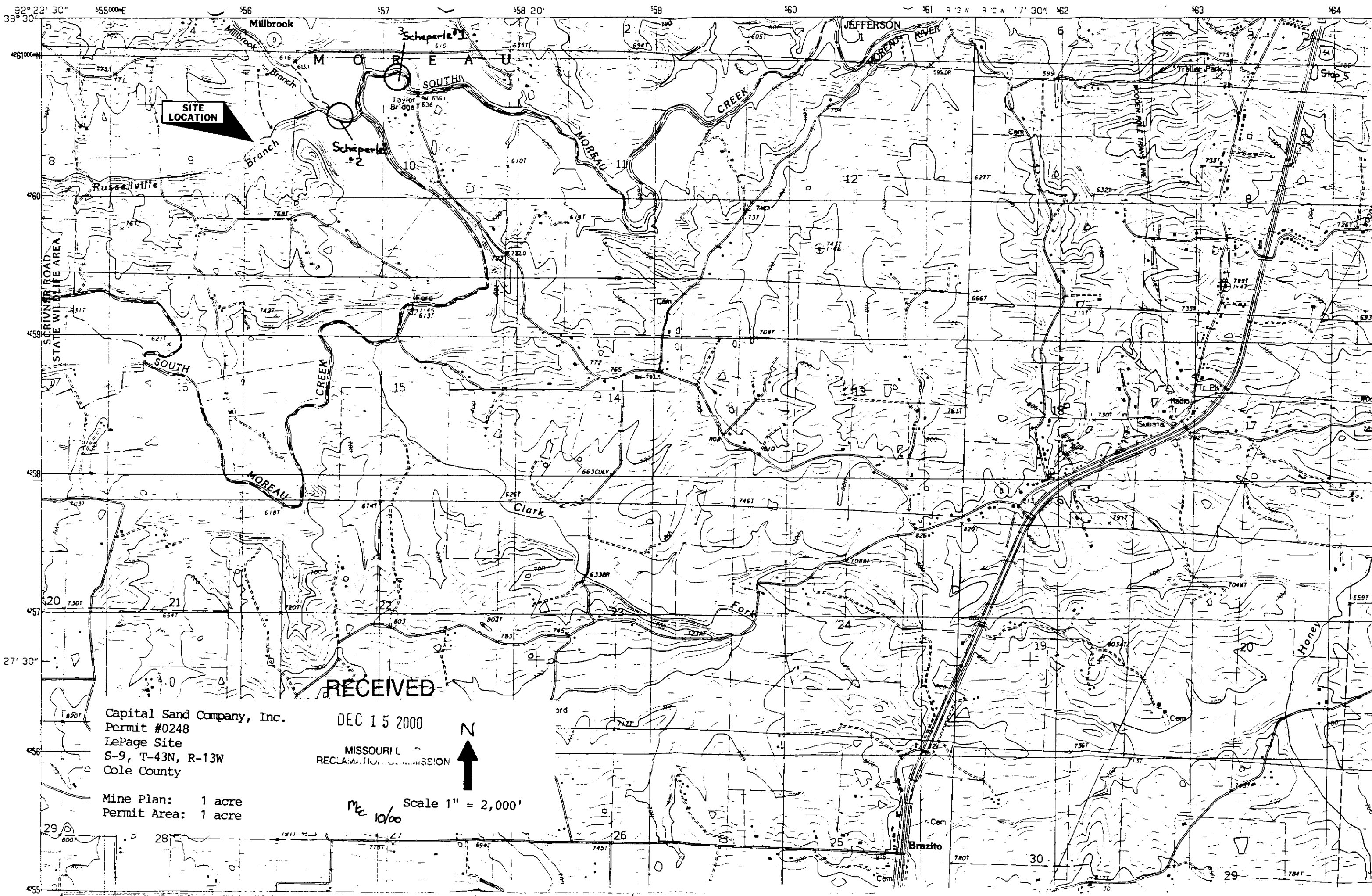
(573) 636-4984

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**SITE  
LOCATION**

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MISSOURI  
RECLAMATION COMMISSION



Scale 1" = 2,000'

Capital Sand Company, Inc.  
Permit #0248  
LePage Site  
S-9, T-43N, R-13W  
Cole County

Mine Plan: 1 acre  
Permit Area: 1 acre



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MISSOURI RECLAMATION DIVISION

10/00

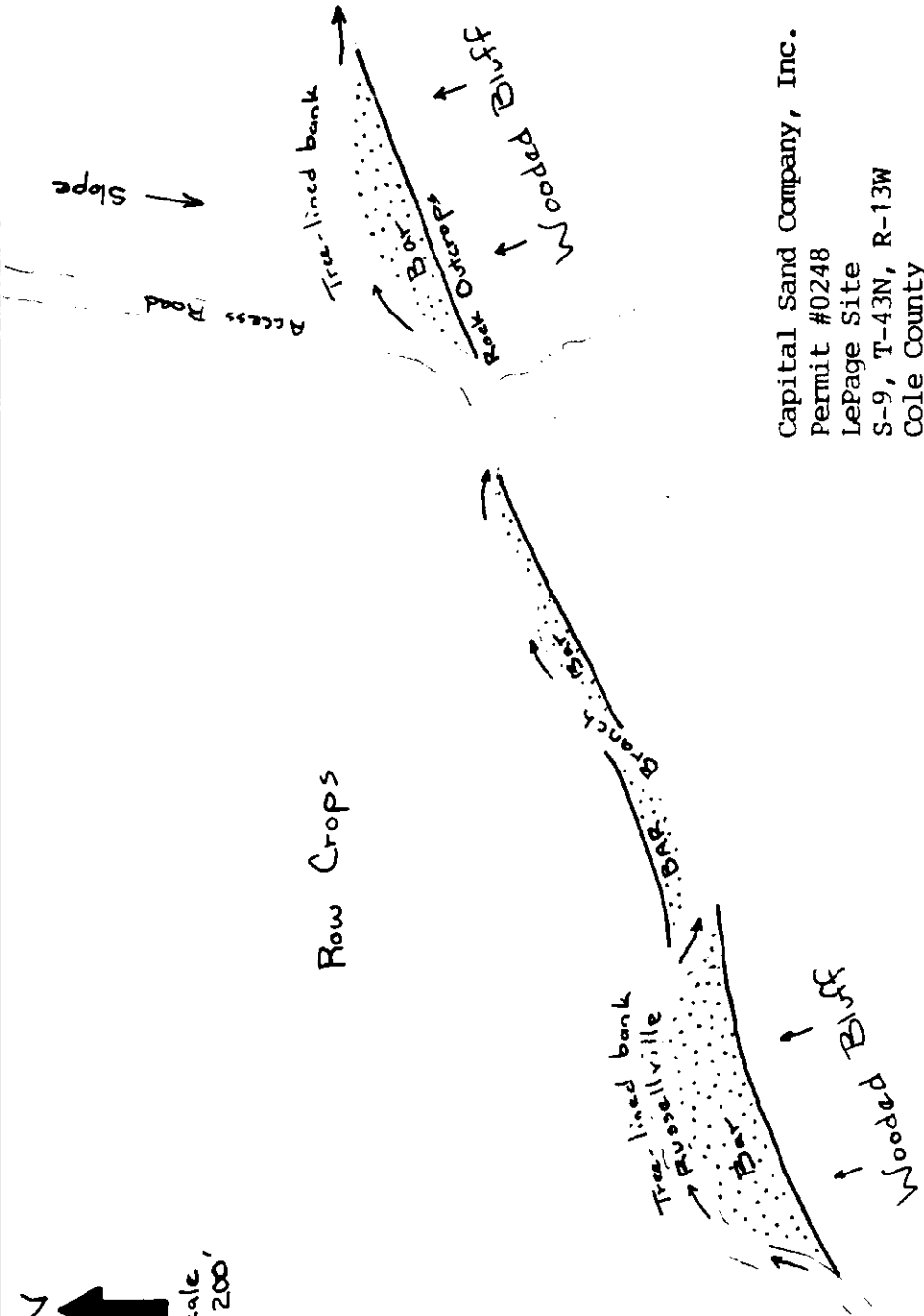
me

DETAIL MAP



Scale  
1" = 200'

Row Crops



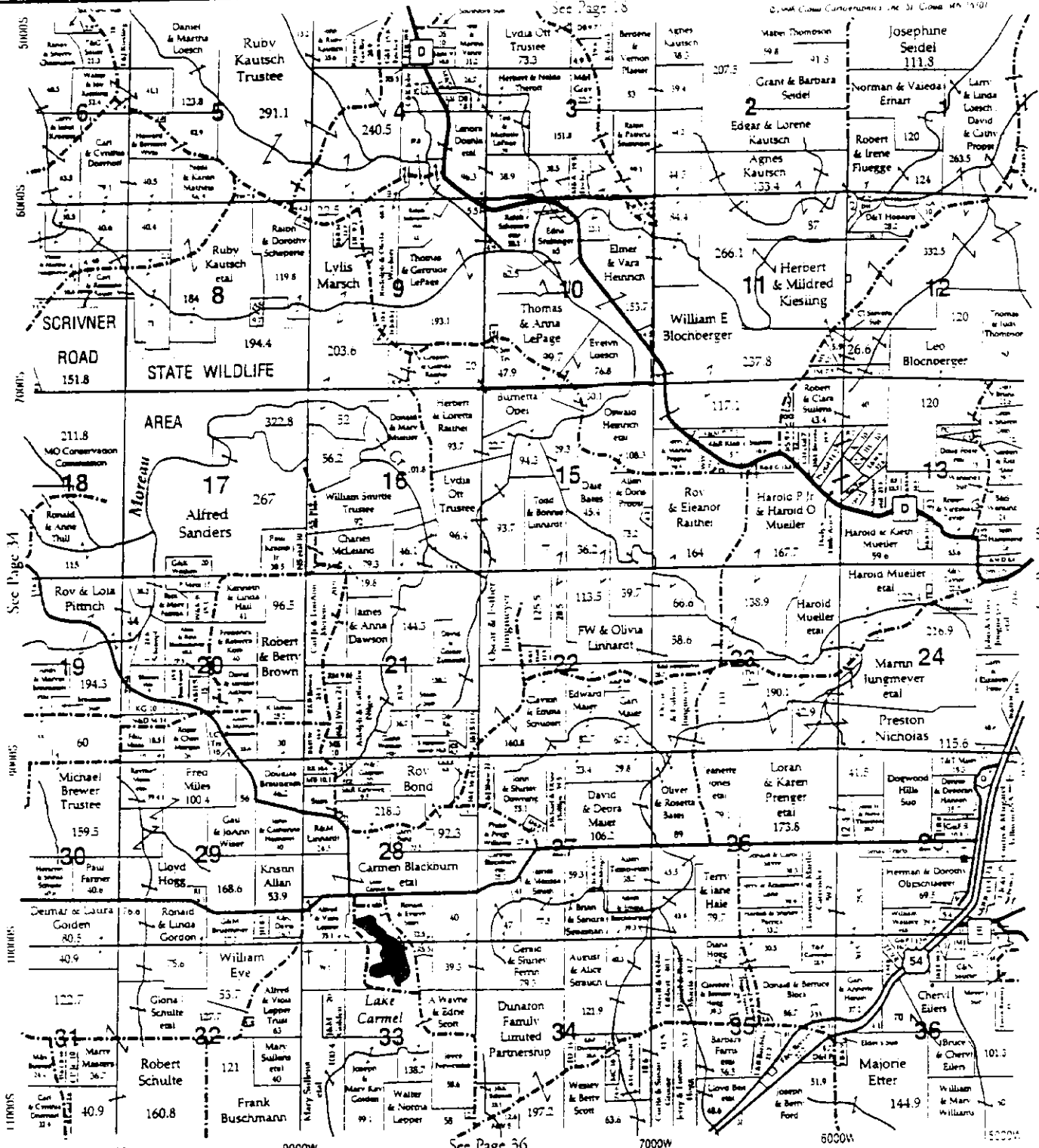
Capital Sand Company, Inc.  
Permit #0248  
LePage Site  
S-9, T-43N, R-13W  
Cole County

Mine Plan: 1 ac.  
Permit: 1 ac.



TOWNSHIP #16

T.43N. - R.13W.



JEFFERSON CITY TERMINAL

2116 IDLEWOOD  
JEFFERSON CITY MO 65109

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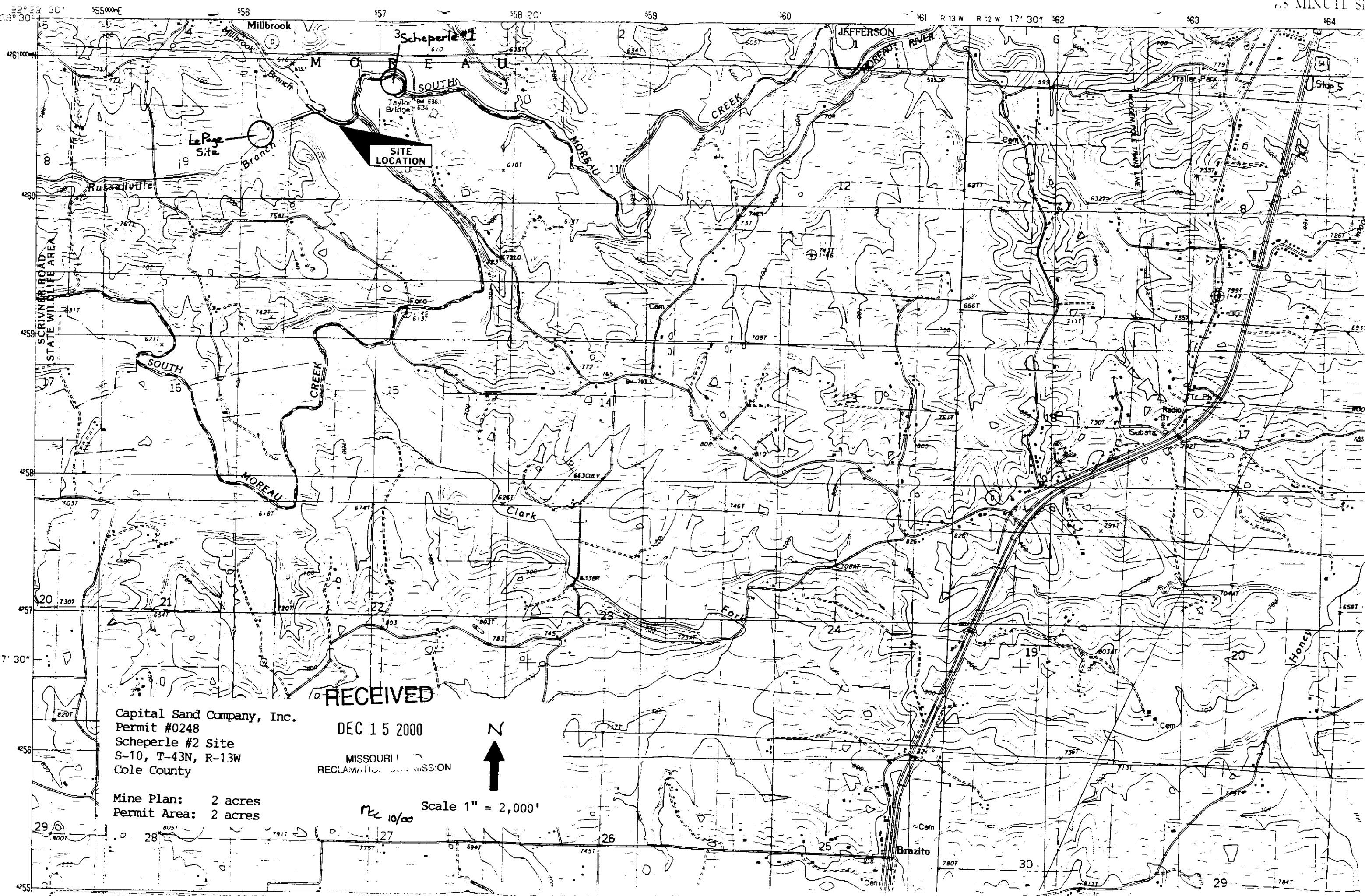
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MISSOURI  
RECLAMATION COMMISSION

Scheperle #2 site





Capital Sand Company, Inc.  
 Permit #0248  
 Schepeler #2 Site  
 S-10, T-43N, R-13W  
 Cole County

Mine Plan: 2 acres  
 Permit Area: 2 acres

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Scale 1" = 2,000'

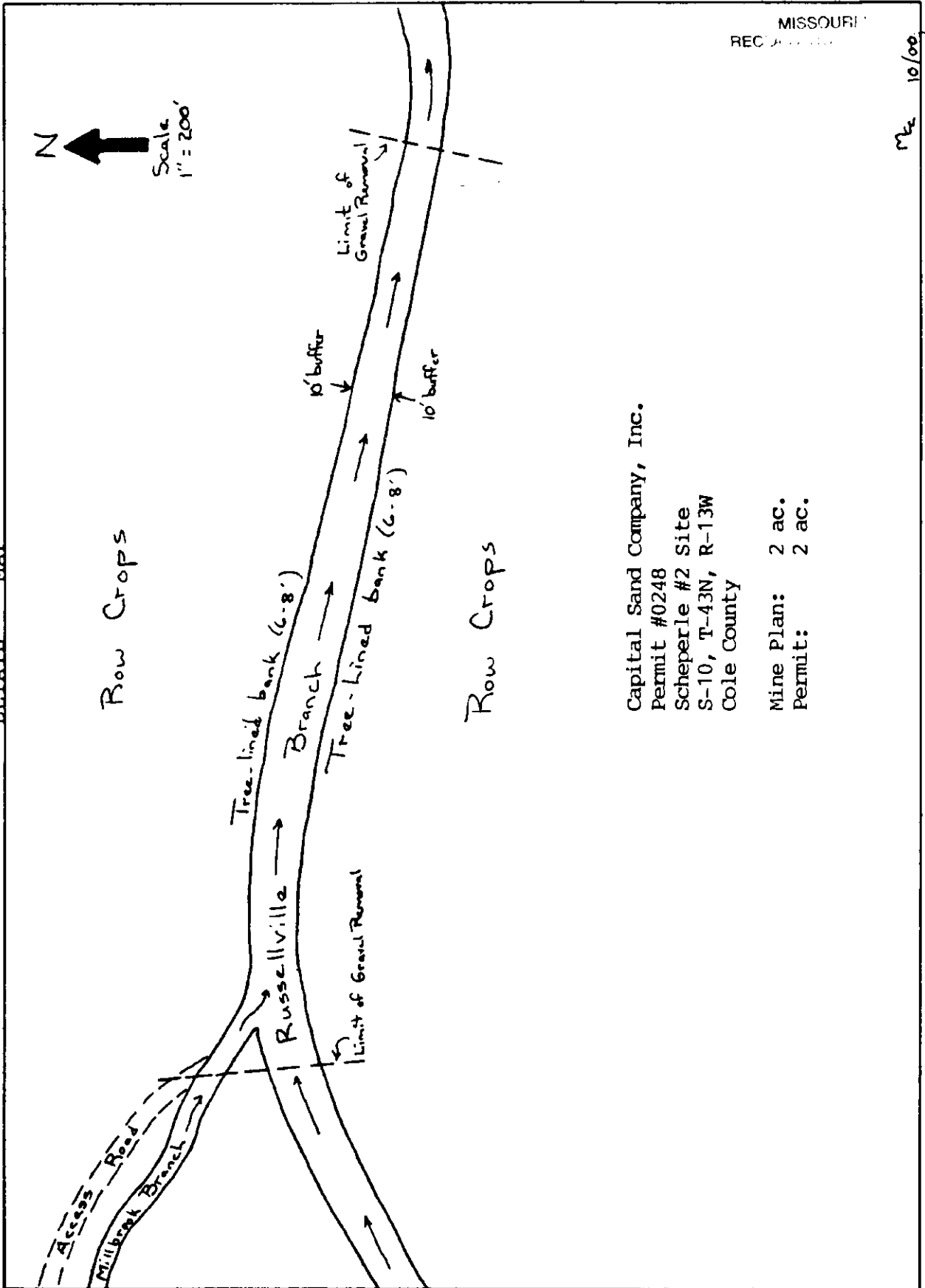


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MISSOURI  
RECORDS

Me 10/00  
ON



Capital Sand Company, Inc.

Permit #0248

Scheperle #2 Site

S-10, T-43N, R-13W

Cole County

Mine Plan: 2 ac.

Permit: 2 ac.



Fax:  
573-254-3395

 $898' \times 50'$ 

### Site Location

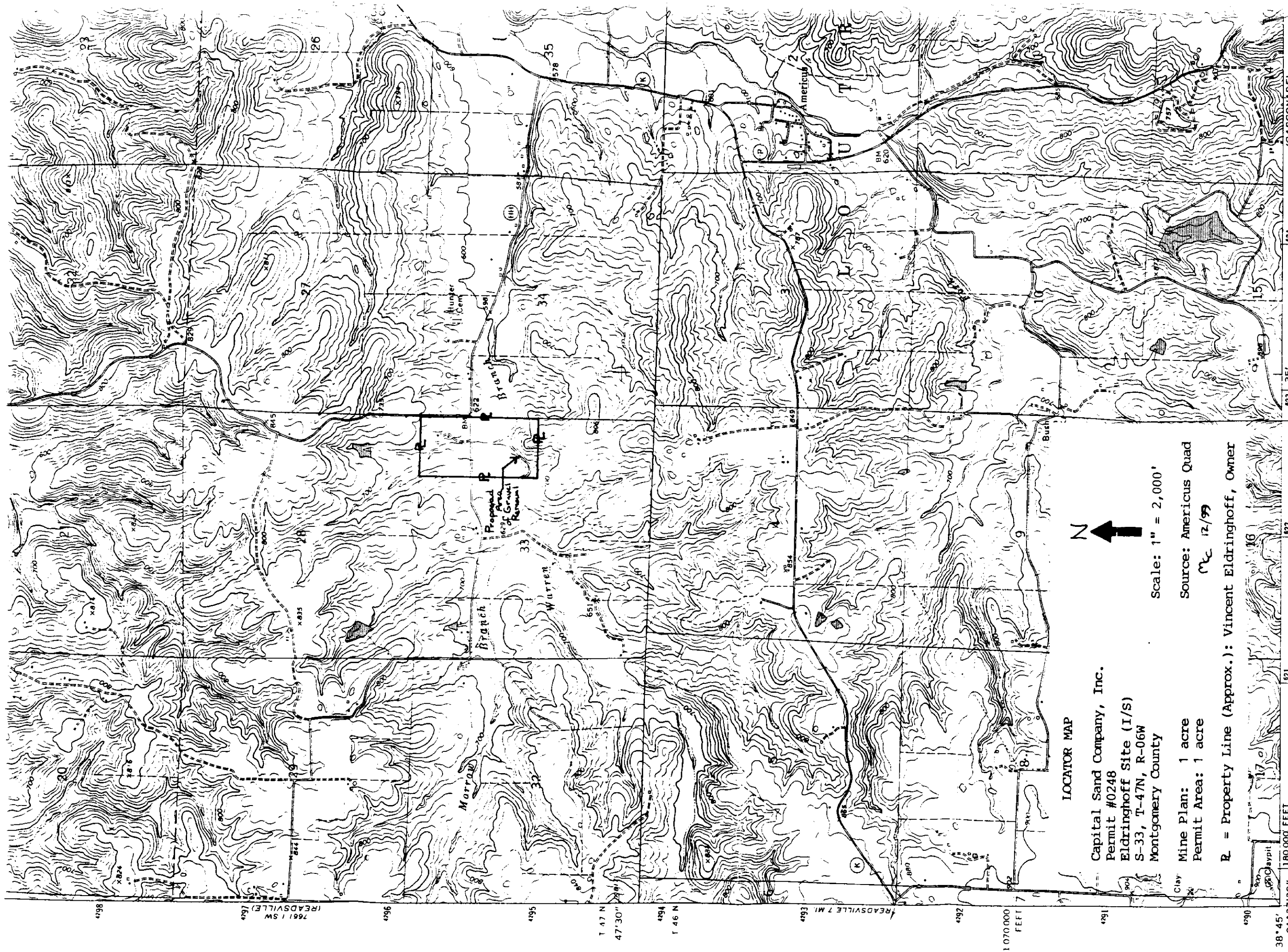
33

©1998 MSS

**FARM.**

P.O. Box 12  
Owensville, Missouri 65066  
\* 573-437-6700





LOCATOR MAP

Capital Sand Company, Inc.  
Permit #0248  
Eldringhoff Site (I/S)  
S-33, T-47N, R-06W  
Montgomery County

Mine Plan: 1 acre  
Permit Area: 1 acre

R = Property Line (Approx.): Vincent Eldringhoff, Owner

Scale: 1" = 2,000'

Source: Americus Quad  
MC 12/99

Mapped, edited, and published by the Geological Survey

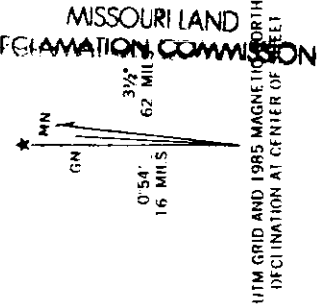
Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1970. Field checked 1974

Projection and 10,000-foot grid ticks: Missouri coordinate system, east zone (transverse Mercator)  
1000-meter Universal Transverse Mercator grid ticks, zone 15, shown in blue. 1927 North American Datum  
To place on the predicted North American Datum 1983, move the projection lines 1 meter south and 12 meters east as shown by dashed corner ticks

There may be private inholdings within the boundaries of the National or State reservations shown on this map

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SCALE 1:24,000

CONTOUR INTERVAL 20 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

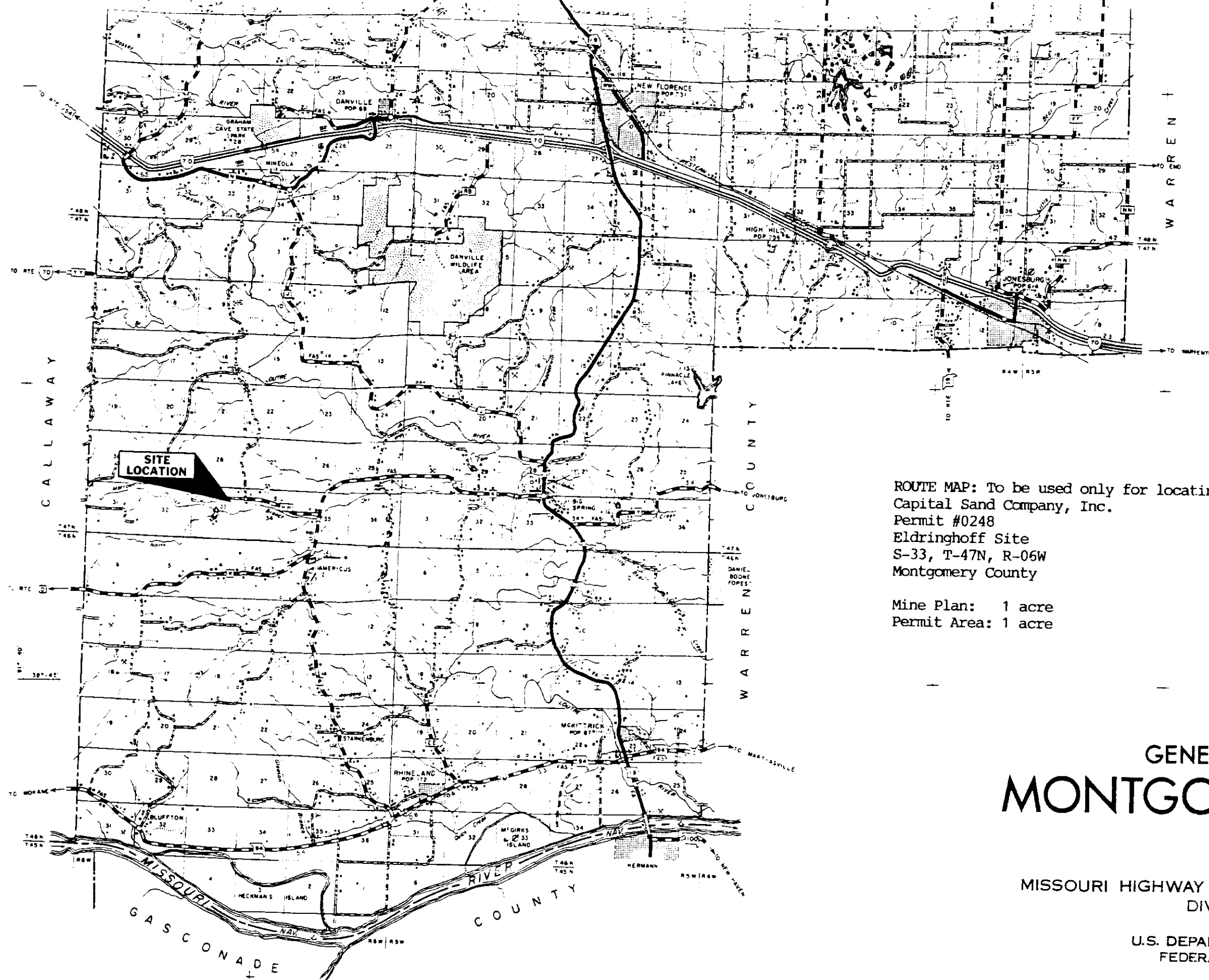
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, AND DIVISION OF GEOLOGY AND LAND SURVEY, MISSOURI DEPARTMENT OF NATURAL RESOURCES. FOIA A FORMER DESCRIBING TOPOGRAPHIC MAPS, AND SYMBOLS IS AS







GENERAL HIGHWAY MAP MONTGOMERY COUNTY MISSOURI 70



- Legend symbols for various features:
- Railroad - Single Operating Company
- Railroad - Int. - Separately Operated
- Railroad
- Railroad Grade Crossing
- Railroad Above
- Railroad Below
- Railroad Tunnel
- Military Air Field
- Commercial or Municipal Air Field
- Landing Area or Strip
- Airway Beacon Light
- Operated Ship and Barge Lines
- Dock Pier or Landing
- Ferry - TF - Toll FF - Free
- Navigable Stream
- Dam
- Dam with Lock
- Dam with Road
- Wide Stream
- Narrow Stream
- Intermittent Stream
- Drainage Ditch
- Marsh or Swamp Land
- Reservoir - Pond or Lake
- Reservoir with Dam
- Levee or Dike
- Levee or Dike with Road
- Natural Ford
- Paved Ford or Low Water Bridge
- Bridge - General (span longer than 20 feet)
- Small Bridges Closely Spaced
- Drawbridge
- Suspension Bridge
- Arch Bridge
- Steel Truss Bridge
- City - Town and Village Limits
- Delimited Urban Area Line
- Camp or Lodge
- Fish Hatchery
- Bird Sanctuary
- Game Farm or Preserve
- Country Club or Golf Course
- Fair Ground or Race Track
- Farm Unit
- Dwelling other than Farm
- Dwellings Closely Spaced
- Seasonal Dwellings
- Seasonal Dwellings Closely Spaced
- Hotel or Inn
- Church
- Hospital
- Cemetery
- Church with Cemetery Area
- Store or Small Business
- Factory or Industrial Plant
- Sawmill - Stationary
- Mine or Quarry
- Nursery
- School House
- Consolidated or Large School
- Post Office
- Town or Community Hall
- Mixed Cultural Features Close
- County Home - Farm or Infir.
- Pumping Station - Oil or Gas
- Combined Dwelling and Bus
- Weight Station
- Forest Ranger Station
- Forest Lookout Tower
- SHD Maintenance Shed
- State Highway Patrol Station
- State Capitol
- County Seat
- Other Cities Towns and Villages

ROUTE MAP: To be used only for locating purposes - NOT a Locator Map  
Capital Sand Company, Inc.  
Permit #0248  
Eldringhoff Site  
S-33, T-47N, R-06W  
Montgomery County

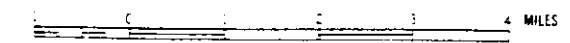
Mine Plan: 1 acre  
Permit Area: 1 acre

RECEIVED  
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# GENERAL HIGHWAY MAP MONTGOMERY COUNTY MISSOURI

PREPARED BY THE  
MISSOURI HIGHWAY AND TRANSPORTATION DEPARTMENT  
DIVISION OF PLANNING  
IN COOPERATION WITH THE  
U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

SCALE



POLYCONIC PROJECTION

DATE	DESCRIPTION	BY
3-1-99	STATE HIGHWAYS	SO.
2-18-99	COMPLETE NEW INVENTORY	RLM
	REVISIONS	





JEFFERSON CITY TERMINAL

2116 IDLEWOOD  
JEFFERSON CITY, MO 65109

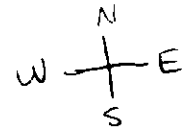
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(map "A")

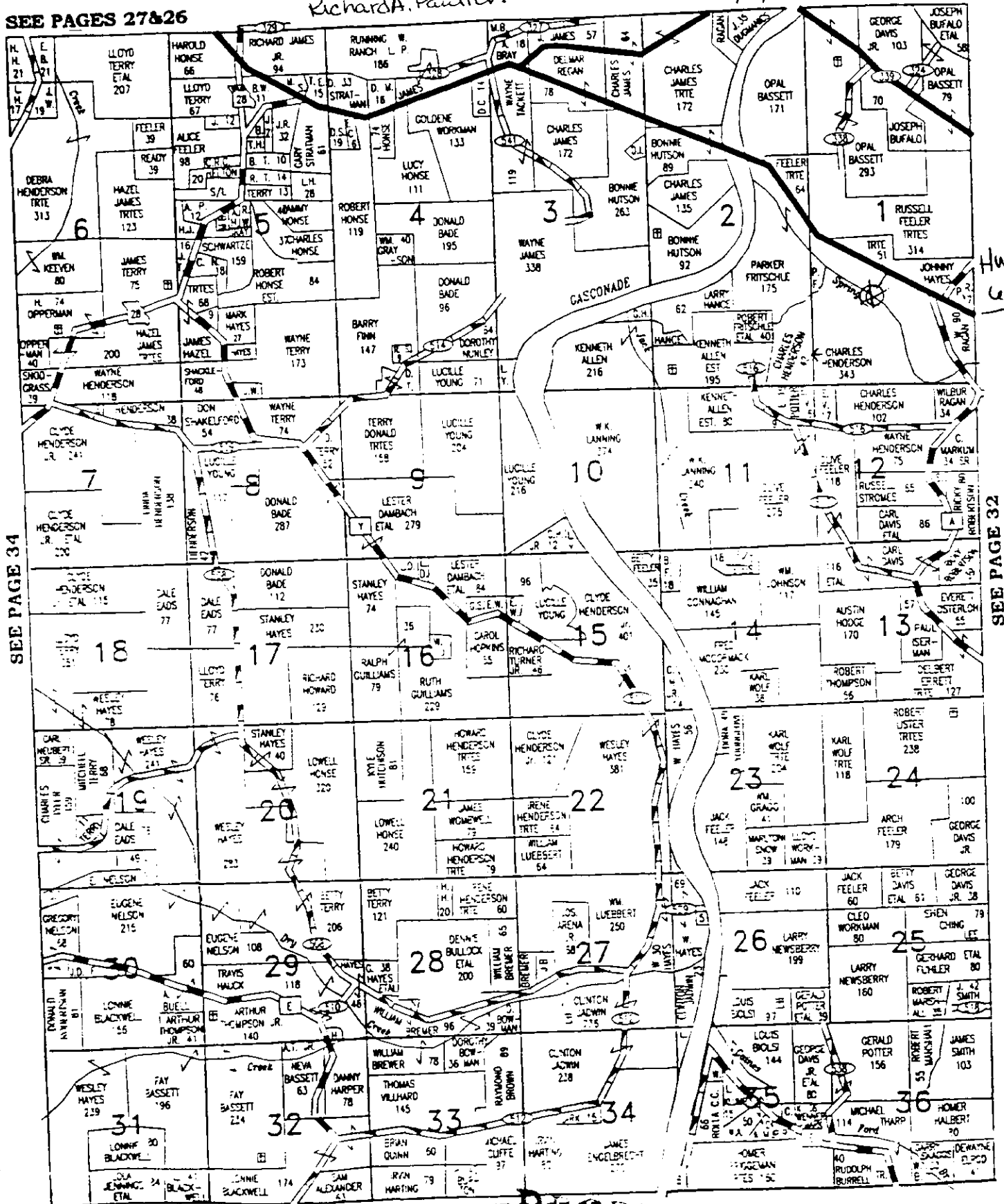
# TOWNSHIP 39N • RANG. 9W



Richard A. Paulich

12/12/99

SEE PAGES 27&26



SEE PAGE 34

SEE PAGE 32

Little Spring Creek Site

SEE PAGE 37  
Quad Map: Paydown  
May 26 2000

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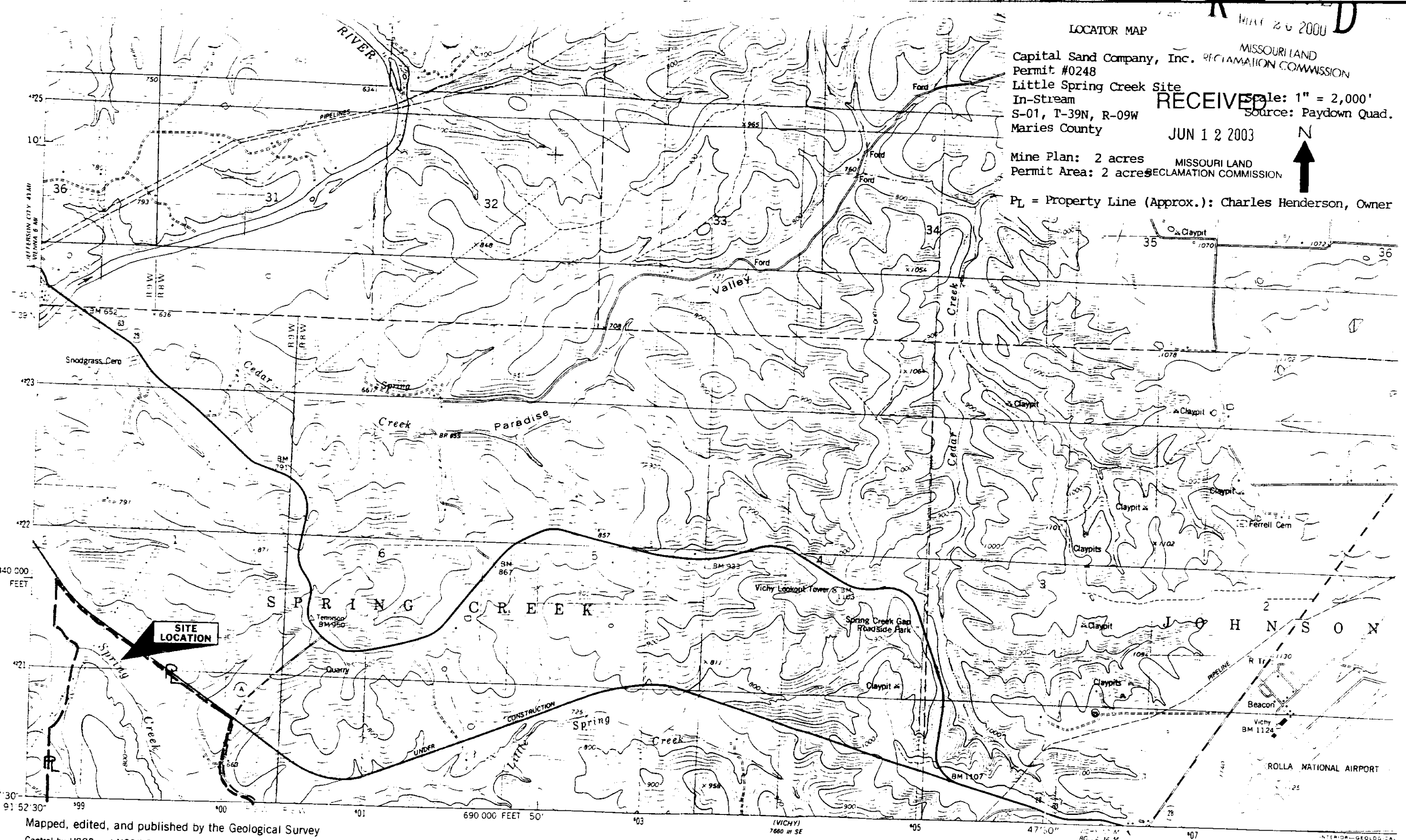
MISSOURI LAND  
RECLAMATION COMMISSION



LOCATOR MAP

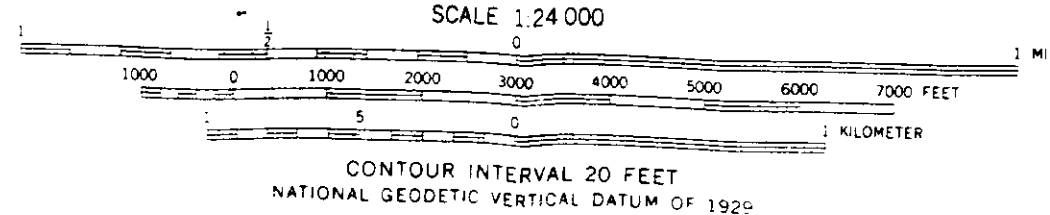
Capital Sand Company, Inc. MISSOURI LAND RECLAMATION COMMISSION  
 Permit #0248  
 Little Spring Creek Site  
 In-Stream  
 S-01, T-39N, R-09W  
 Maries County  
 Scale: 1" = 2,000'  
 Source: Paydown Quad.  
 JUN 12 2003

Mine Plan: 2 acres  
 Permit Area: 2 acres  
 MISSOURI LAND RECLAMATION COMMISSION  
 P<sub>L</sub> = Property Line (Approx.): Charles Henderson, Owner



Mapped, edited, and published by the Geological Survey  
 Control by USGS and NOS/NOAA  
 Topography by photogrammetric methods from aerial photographs  
 taken 1974. Field checked 1975. Map edited 1981  
 Projection and 10,000-foot grid ticks: Missouri coordinate  
 system, central zone (transverse Mercator)  
 1000-meter Universal Transverse Mercator grid, zone 15  
 1927 North American Datum

0°44' 13" W  
 4° 13' W  
 13 W



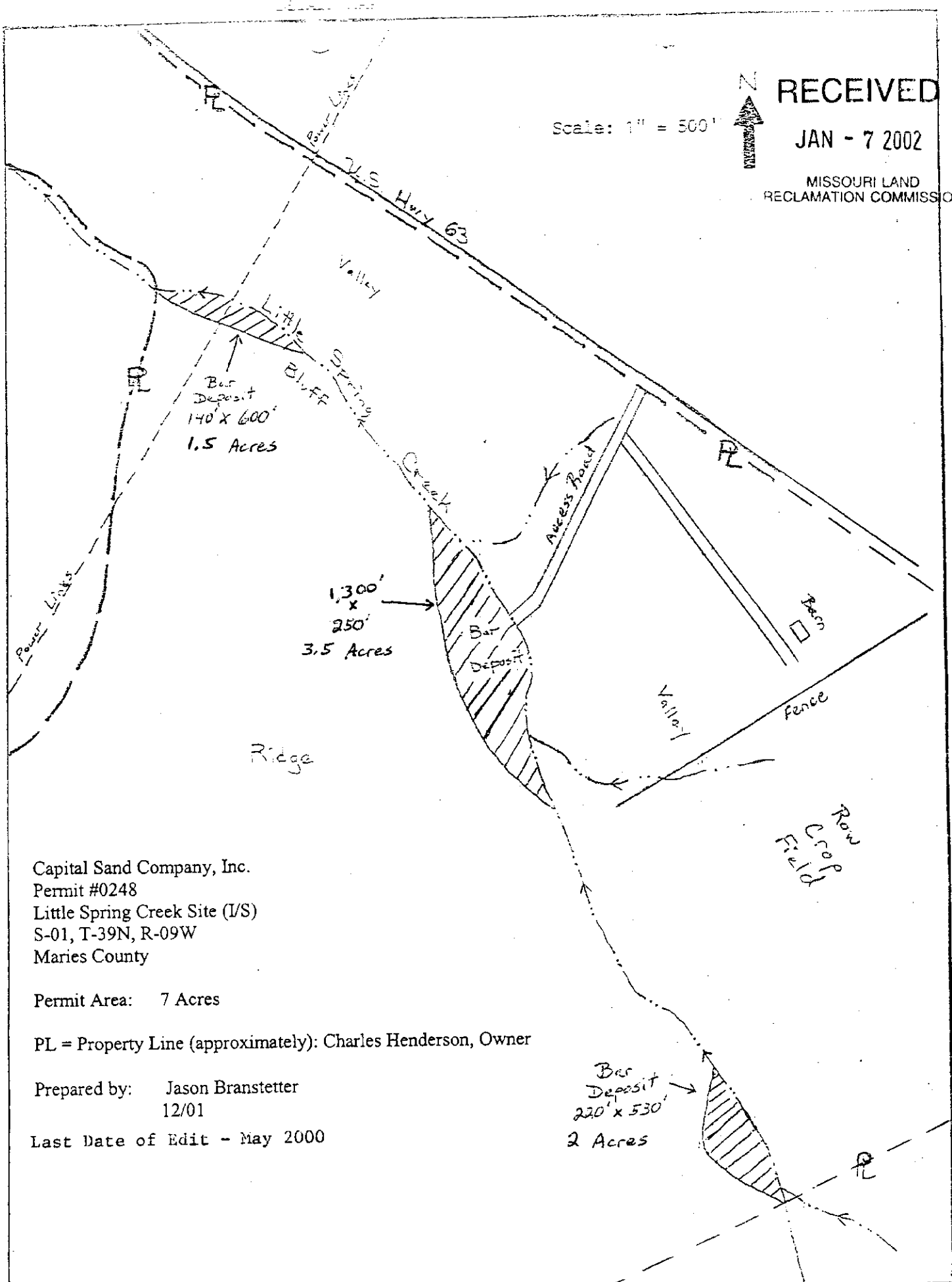
ROAD CL  
 Primary highway  
 hard surface  
 Secondary highway  
 hard surface



N  
↑

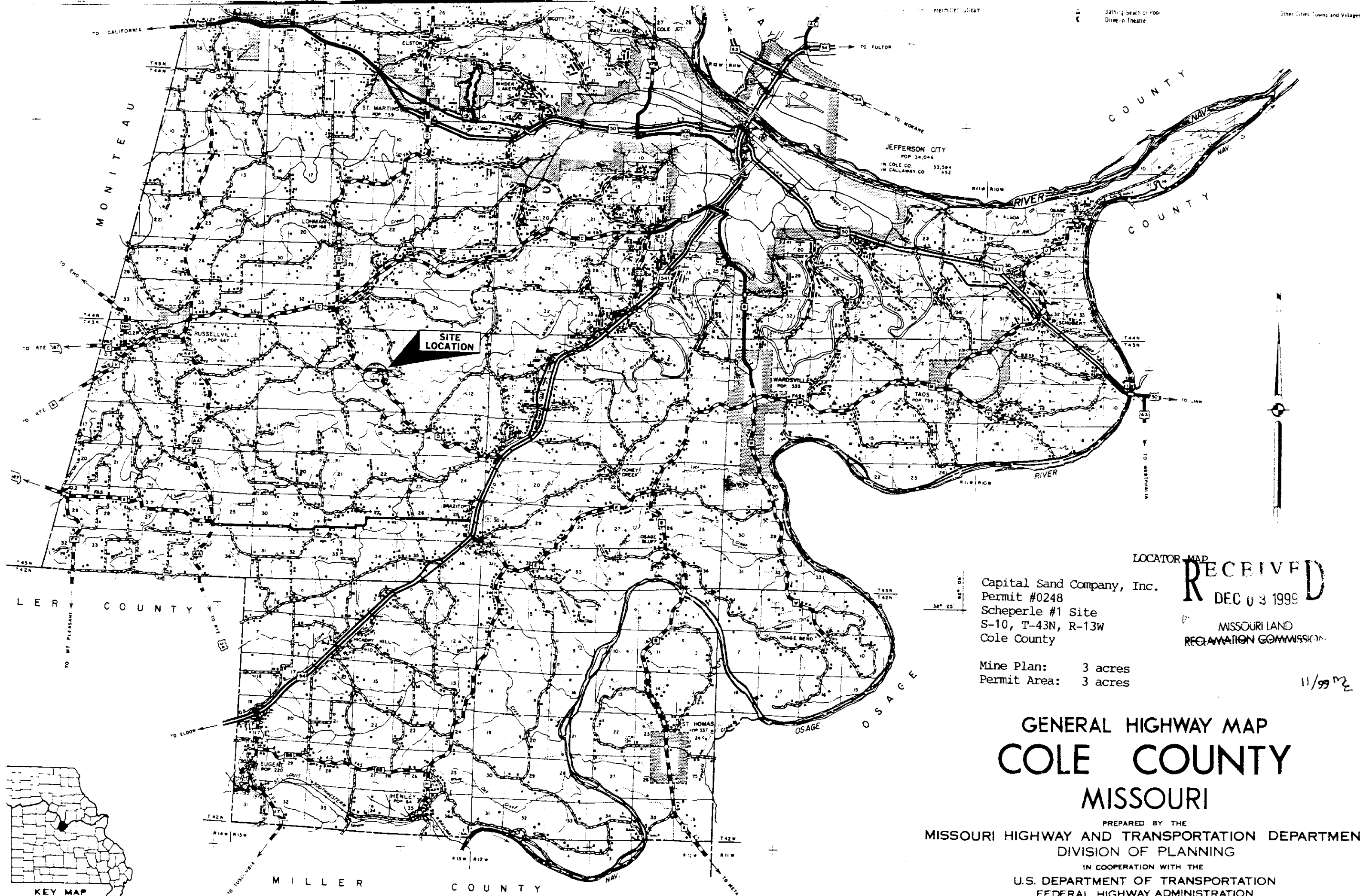
MISSOURI LAND  
RECLAMATION COMMISSION

Scale: 1" = 500'



Last Date of Edit - May 2000





Capital Sand Company, Inc.  
Permit #0248  
Scheperle #1 Site  
S-10, T-43N, R-13W  
Cole County

Mine Plan: 3 acres  
Permit Area: 3 acres

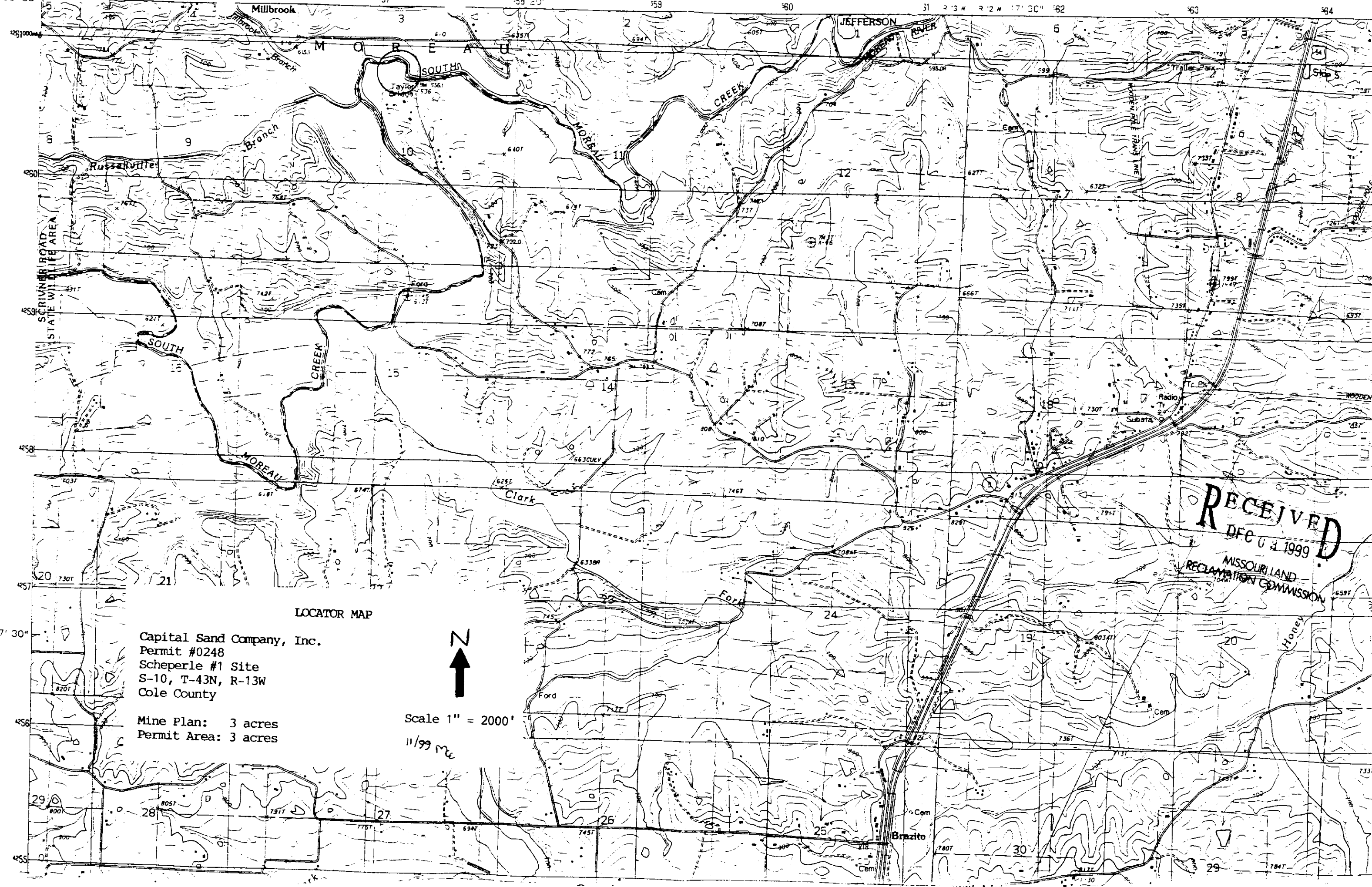
LOCATOR MAP  
**RECEIVED**  
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MISSOURI LAND  
RECLAMATION COMMISSION

11/99 m2

# GENERAL HIGHWAY MAP COLE COUNTY MISSOURI

PREPARED BY THE  
MISSOURI HIGHWAY AND TRANSPORTATION DEPARTMENT  
DIVISION OF PLANNING  
IN COOPERATION WITH THE  
U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION





Capital Sand Company, Inc.  
Permit #0248  
Scheperle #1 Site  
S-10, T-43N, R-13W  
Cole County

Mine Plan: 3 acres  
Permit Area: 3 acres

LOCATOR MAP

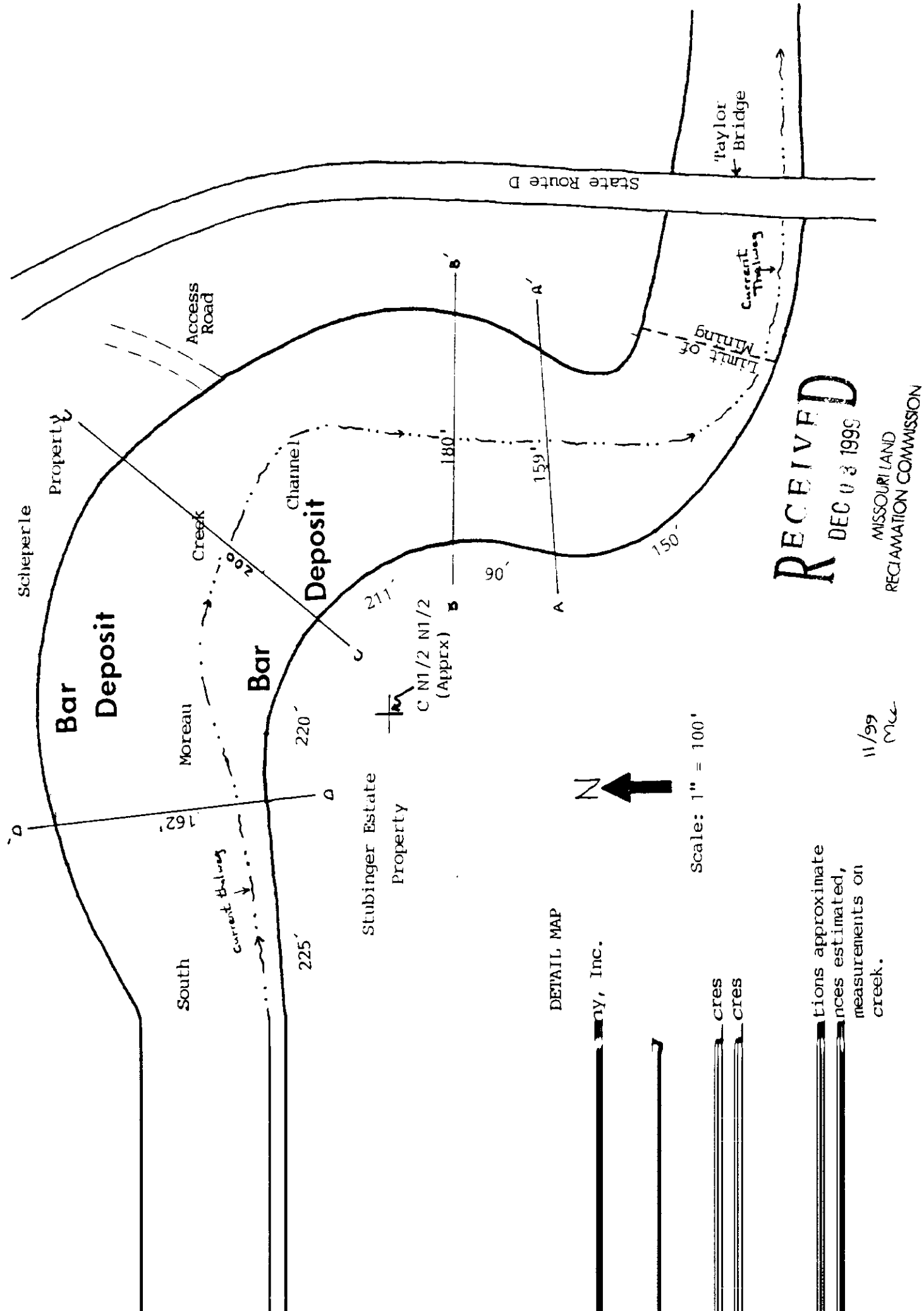


Scale 1" = 2000'

11/99 me

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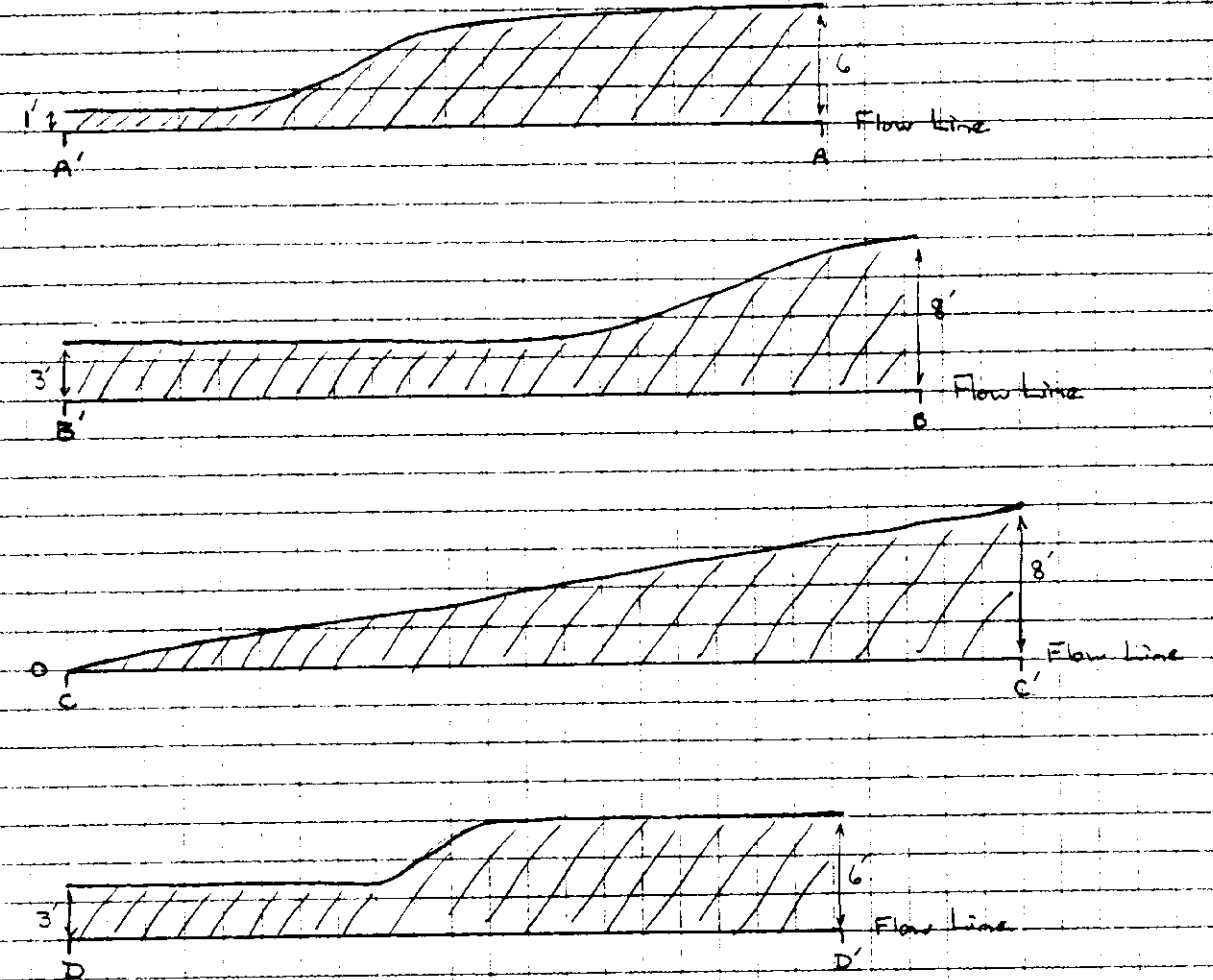


Project No.: 990895  
Project: Capital Sand  
Schepelerle #2  
#0248 (New Site)

Date: 11-19-99  
Page: 1 of 1  
By: MGC  
Reviewed:



# Stream Profiles - Schepelerle #1 - South Moreau Ch.



H2 Scale: 1" = 40'  
Vert Scale: 1" = 10'